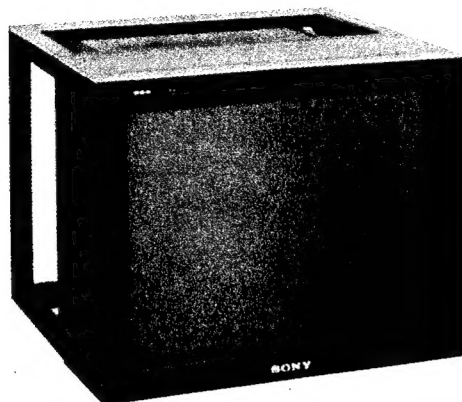


# PVM-2730QM

## RM-668

## SERVICE MANUAL



**AEP Model**

Chassis No. SCC-A91A-A

**Australian Model**

Chassis No. SCC-B04A-A

**West Germany Model**

Chassis No. SCC-B05A-A

### SPECIFICATIONS

**Note:** The service manuals for RM668 have been issued separately.

Color system PAL, SECAM, NTSC and NTSC<sub>4.43</sub> systems, switched automatically

Picture tube Trinitron tube  
Approx. 67.7 cm (27 inches)  
(63.5 cm picture measured diagonally)  
114-degree deflection, AG pitch 0.73 mm

Resolution Video input: 420 TV lines  
RGB inputs: 640 × 200 dots  
(2000 characters)

Color temperature 9300°K

Frequency response 10 MHz (−3 dB, RGB)  
5 MHz (−3 dB, composite video)

Horizontal linearity Less than ±5%

Vertical linearity Less than ±5%

Line pull range Horizontal: + 500 Hz  
Vertical: −8 Hz

Overscan of the picture Less than + 7%

Convergence Central area: within 1.0 mm  
Periphery: within 1.8 mm

LINE A/B, VTR inputs

VIDEO IN: LINE A/B: BNC connector  
Composite video, 1 Vp-p ±6 dB, sync negative, 75-ohm termination switchable  
VTR: 8-pin connector  
Composite video, 1 Vp-p ±6 dB, sync negative, 75-ohm terminated

AUDIO IN: LINE A/B: Phono jack  
−5 dBs, more than 47 kilohms  
VTR: 8-pin connector, −5 dBs, more than 47 kilohms

LINE A/B outputs (loop-through outputs)  
VIDEO: BNC connector  
AUDIO: Phono jack

Monitor outputs VIDEO: BNC connector  
Composite video, 1 Vp-p  
AUDIO: Phono jack  
Less than 1 kilohm

Digital RGB inputs RGB: D-sub 9-pin connector  
(See "Signal assignment".)  
AUDIO: Phono jack  
−5 dBs, more than 47 kilohms

AV connector 21-pin connector  
(See "Signal assignment".)

Speaker terminals 8 ohms

Control S input/output Minijack, 5 Vp-p

Power output 15 W + 15 W at 8 ohms

Power requirements 220 – 240 V AC, 50/60 Hz

Power consumption 175 W

Dimensions Approx. 653 × 508 × 492 mm (w/h/d)  
incl. projecting parts and controls

Weight Approx. 52 kg

#### Supplied accessory

Remote commander RM-668, with 2 R6 batteries..... 1

#### Optional accessories

TV stand SU-539, SU-541

Speaker system SS-X6A, APM-X5A

— Continued on next page —



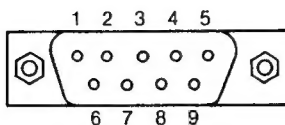
# TRINITRON COLOR VIDEO MONITOR

# SONY®

**MON**

## SIGNAL ASSIGNMENT

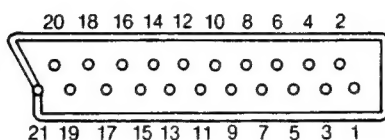
### DIGITAL RGB connector (D-sub 9-pin)



Digital signal (TTL level)

Pin No.	Signal assignment
1	Ground
2	Ground
3	Red input
4	Green input
5	Blue input
6	Intensity input
7	No connection
8	H. sync input (positive/negative)
9	V. sync input (positive/negative)

### AV connector (21-pin)



Pin No.	Signal	Signal level
1	Audio output B (right)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm *
2	Audio input B (right)	Standard level: 0.5 Vrms Input impedance: More than 10 k ohms *
3	Audio output A (left)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm *
4	Ground (audio)	
5	Ground (blue)	
6	Audio input A (left)	Standard level: 0.5 Vrms Input impedance: More than 10 k ohms *
7	Blue input	0.7 V $\pm$ 3 dB, 75 ohms, positive
8	Function select (AV control)	High state (9.5 – 12 V): Peri mode Low state (0 – 2 V): TV mode Input impedance: More than 10 k ohms Input capacitance: Less than 2 nF

Pin No.	Signal	Signal level
9	Ground (green)	
10	Open	
11	Green input	(Same as Pin 7)
12	Open	
13	Ground (red)	
14	Ground (blanking)	
15	Red input	(Same as Pin 7)
16	Blanking input	High state (1 – 3 V) Low state (0 – 0.4 V) Input impedance: 75 ohms
17	Ground (video output)	
18	Ground (video input)	
19	Video output	1 V $\pm$ 3 dB, 75 ohms, positive Sync: 0.3 V ( $\pm$ 3 dB)
20	Video input	1 V $\pm$ 3 dB, 75 ohms, positive Sync: 0.3 V ( $\pm$ 3 dB)
21	Common ground (plug, shield)	

\* at 20 Hz – 20 kHz

Design and specifications subject to change without notice.

## TROUBLESHOOTING

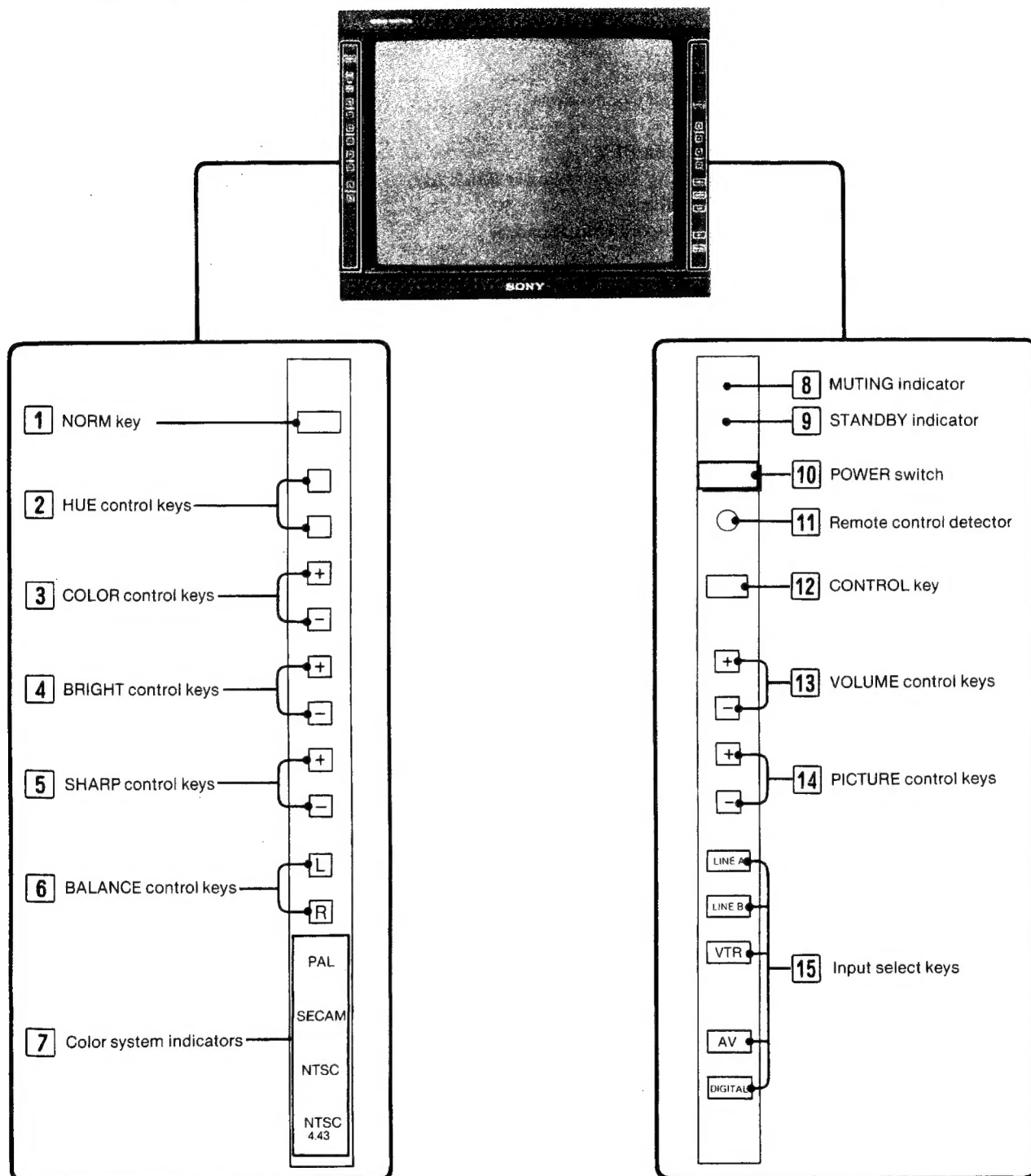
If these symptoms occur when you begin operation, follow the suggestions below.

SYMPTOMS	CORRECTIONS
No controllable keys although the POWER switch is turned on.	• Press the CONTROL key.
No indication appears although the CONTROL key is pressed.	• Set the MANUAL CONTROL switch on the rear panel to ON.
Remote control is not possible.	• Set the REMOTE CONTROL switch on the rear panel to ON.

## SECTION 1 GENERAL

### 1-1. LOCATION AND FUNCTION OF PARTS AND CONTROL

#### FRONT PANEL




• Press CONTROL key after power is turned on to illuminate the control keys or indicators.

The following control keys are effective only when MANUAL CONTROL switch on the rear panel is set to ON.

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### SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.



**1 NORM (normal) key**

Press this key to return to the standard setting.

- This key is effective only for the control keys on the left.

**2 HUE control keys**

Press the GRN (green) key to make the skin tones greenish or the PUR (purple) key to make it purplish.

- These control keys are effective for the NTSC and NTSC<sub>4,43</sub> color systems only.

**3 COLOR control keys**

Press the + key to make the color intensity vivid or the – key to make it pale.

**4 BRIGHT (brightness) control keys**

Press the + key to make the picture brighter or the – key to make it darker.

**5 SHARP (sharpness) control keys**

Press the + key to obtain a sharp picture or the – key to obtain a soft picture.

**6 BALANCE control keys**

Press the L key to increase the sound volume of the left speaker or the R key to increase the sound volume of the right speaker.

**7 Color system indicators**

**PAL, SECAM, NTSC, NTSC<sub>4,43</sub>**

The color system of the input signal is automatically selected and the corresponding indicator illuminates. When the input signal is monochrome, no color system indicator illuminates.

**8 MUTING indicator**

Illuminates while the sound is muted.

- Muting is controlled only by the Remote Commander.

**9 STANDBY indicator**

Illuminates when the power is turned off by the Remote Commander.

**10 POWER switch**

Press this switch to turn the monitor on.

Press this switch again to turn it off.

- When the monitor is turned on, the settings of the monitor are the same as when it was last turned off.
- For a few seconds after turning on the monitor the color of picture may vary because the white balance is adjusted at this time. This is not a problem.

**11 Remote control detector**

The beam from the Remote Commander is received here.

**12 CONTROL key**

Press this key to illuminate the keys and indicators on the front panel.

Press this key again to extinguish them.

**13 VOLUME control keys**

Press the + key to raise the volume or the – key to lower it.

**14 PICTURE control keys**

Press the + key to make the contrast, color intensity and brightness stronger or the – key to make them weaker.

**15 Input select keys**

**LINE A, LINE B, VTR, AV, DIGITAL**

Select the input source connected to the LINE A, LINE B, VTR, AV or DIGITAL RGB connector.

When a key is pressed:

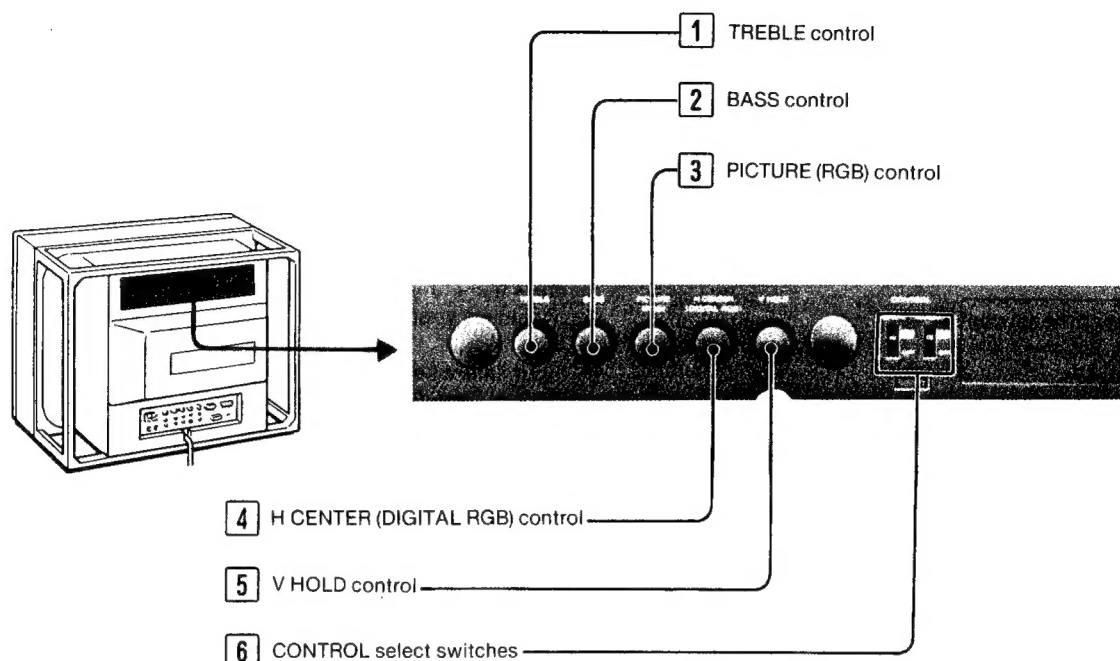
- it blinks if the other indicators and keys on the front panel illuminate.
- it illuminates if they are extinguished.

**Key illumination**

For the keys **1** through **7**, **13** and **14**:

- While each key is pressed, it blinks, indicating that adjustment is going on.
- During adjustment, if the adjustment value reaches the limit, the blinking speed becomes slower.

**REAR PANEL**



**1 TREBLE control**

Turn clockwise for more treble (high tone), or counterclockwise for less.

**2 BASS control**

Turn clockwise for more bass (low tone), or counterclockwise for less.

**3 PICTURE (RGB) control**

Adjust the contrast of the RGB signals connected to the AV connector or the DIGITAL RGB connector.

**4 H CENTER (DIGITAL RGB) (horizontal centering) control**

When the picture of DIGITAL RGB input is decentered horizontally, correct it with this control.

**5 V HOLD (vertical hold) control**

When the picture rolls vertically, correct it with this control.

**6 CONTROL select switches**

Normally set to ON.

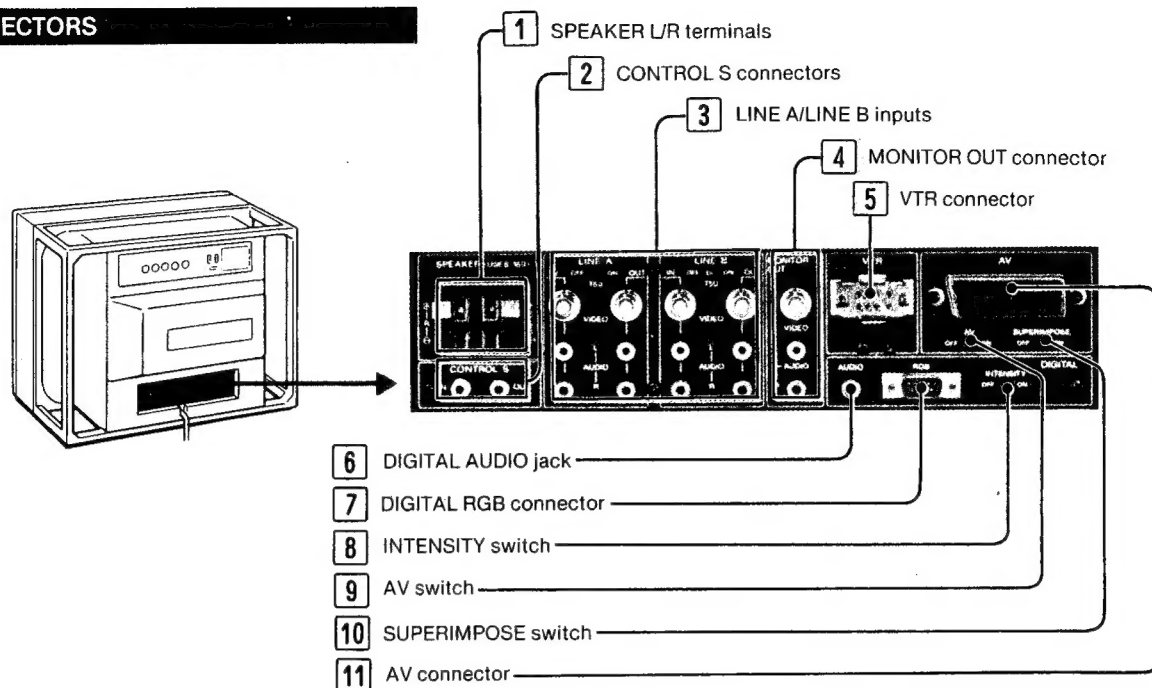
**REMOTE CONTROL switch**

Set this switch to ON to control the monitor with a Remote Commander.  
If this switch is set to OFF, the remote control is not possible.

**MANUAL CONTROL switch**

Set this switch to ON to control the monitor manually. To make the manual control of the control keys or switches on the front panel impossible, extinguish the indicators by pressing the CONTROL key on the front panel and set this switch to OFF. (However remote control is possible if the REMOTE CONTROL switch is set to ON.)

## CONNECTORS



### 1 SPEAKER L/R terminals

Connect to speakers with 8 to 16 ohm impedance.

### 2 CONTROL S IN/OUT connectors

Connect to the CONTROL S connectors of a VTR or another monitor.  
It is then possible to control the whole system with a single Remote Commander.

### 3 LINE A/LINE B inputs

**VIDEO IN connector (BNC type)**

**AUDIO L/R IN jacks (phono jack)**

Connect to the video and audio outputs of a VTR or a camera.

**VIDEO OUT connector (BNC type)**

**AUDIO L/R OUT jacks (phono jack)**

Loop-through outputs of the IN connector and jacks.

Connect to the video and audio inputs of another monitor.

### 75-ohm termination switch

When only the VIDEO IN connector is used (nothing is connected to the VIDEO OUT connector), set this switch to ON.

When both connectors are used together for a loop-through connection, set this switch to OFF.

### 4 MONITOR OUT connectors

**VIDEO connector (BNC type)**

**AUDIO L/R jacks (phono jacks)**

The video and audio signals supplied from the LINE A, LINE B, VTR or AV input selected by the front panel input select keys are output from these connectors.

Connect to the video and audio inputs of another monitor, VTR, etc.

### 5 VTR connector (8-pin)

Connect to a VTR with an 8-pin TV connector.

### 6 DIGITAL AUDIO jack (phono jack)

Connect to the audio output of an audio source to listen to the sound from the connected audio source while viewing the picture from the DIGITAL RGB connector.

### 7 DIGITAL RGB connector (9-pin, D-sub)

Connect to the digital RGB output of a microcomputer.

### 8 INTENSITY switch

Normally set to OFF. When a microcomputer provided with intensity output is connected, set to ON for 16-color display.

### 9 AV switch

Set to ON so that the monitor is automatically switched to the AV input when a signal is input from the AV connector, taking priority over the LINE A, LINE B or VTR input previously selected by the input select keys on the front panel. Set to OFF to select the AV input manually by pressing the AV input select key.

### 10 SUPERIMPOSE switch

Normally set to ON.

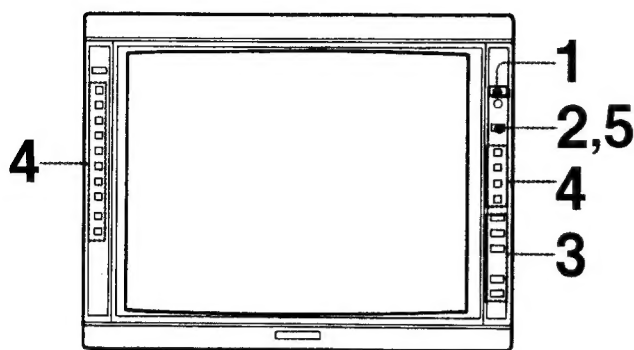
Set to OFF to display the analog RGB signal from the microcomputer connected to the AV connector.

### 11 AV connector (21-pin)

Connect to the 21-pin multiconnector of an 8 mm video cassette recorder or the analog RGB multioutput connector of a microcomputer.

## 1-2. OPERATION

### DISPLAYING THE PICTURE



- 1** Depress the POWER switch.  
One of the input select keys illuminates.
- 2** Press the CONTROL key.  
The selected input select key blinks and all control keys on the front illuminate.  
(If the control keys do not appear, set the MANUAL CONTROL switch on the rear to ON.)
- 3** Press the desired input select key.  
The pressed key blinks and the picture from the selected input is displayed on the screen and the sound is heard through the speakers.  
(For selecting the AV or DIGITAL input, see "Notes on input selection".)
- 4** Adjust the picture and sound.
- 5** Press the CONTROL key to extinguish the controls keys so that only the selected input select key illuminates.

### SUPERIMPOSING

To superimpose the data from the microcomputer connected to the AV connector over the picture, proceed as follows.  
(The data should be processed for superimposition on the microcomputer.)

- 1** Set the SUPERIMPOSE switch to ON.
- 2** Press the LINE A, LINE B or VTR input select key to display the picture on which the data is to be superimposed on the monitor screen.
- 3** Press the AV input select key.  
The data is superimposed over the picture.
- 4** Adjust the contrast of the superimposed data with the PICTURE (RGB) control.

### NOTES ON INPUT SELECTION

#### AV input and SUPERIMPOSE switch

Set the SUPERIMPOSE switch on the rear as follows, according to the signal supplied to the AV connector.

SUPERIMPOSE switch	Signal to be displayed
ON	<ul style="list-style-type: none"> <li>• To display the composite video signal from an 8 mm video cassette recorder, etc.</li> <li>• To perform superimposition. (See "SUPERIMPOSING".)</li> </ul>
OFF	<ul style="list-style-type: none"> <li>• To display the analog RGB signal from a microcomputer, etc. In this case, the sync signal should be supplied to pin 20 of the AV connector.</li> </ul>

- When the AV input select key is pressed with the SUPERIMPOSE switch ON, the previously selected LINE A, LINE B or VTR input select key blinks together with the AV key.
- When it is pressed with the SUPERIMPOSE switch OFF, only the AV key blinks.

#### AV input and AV switch

When the AV switch on the rear is set to ON, the monitor is automatically switched from the LINE A, LINE B or VTR input to the AV input if a signal is input to the AV connector. Set the AV switch to OFF to select the AV input manually by pressing the AV input select key.

#### DIGITAL input

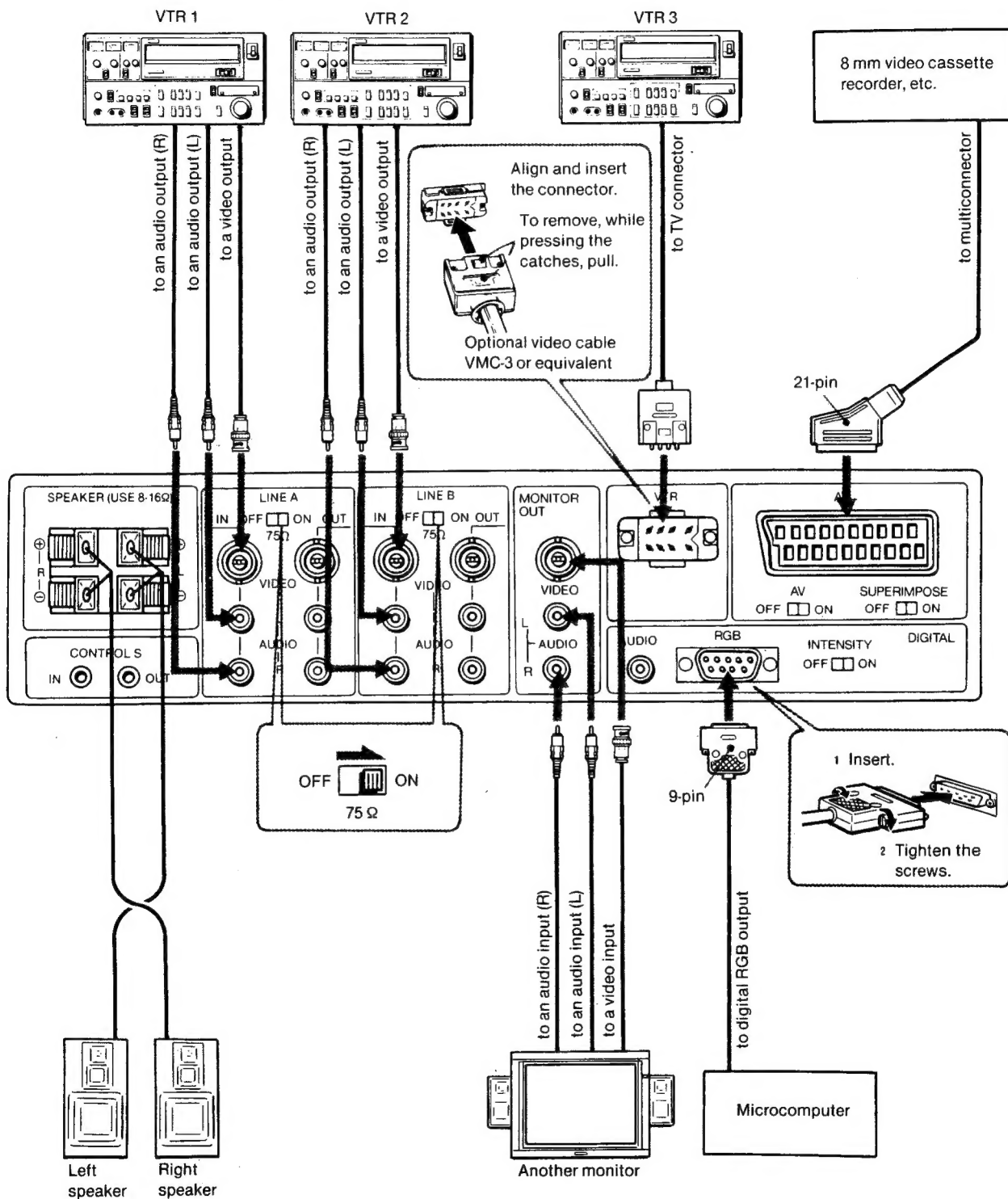
- To display the digital RGB signal from a microcomputer provided with intensity output in 16 colors, set the INTENSITY switch on the rear to ON.
- If necessary, center the picture from the DIGITAL RGB connector with the H CENTER control on the rear panel.

#### Note

The COLOR, HUE and SHARP control keys do not function when the DIGITAL input is selected or the AV input is selected with the SUPERIMPOSE switch OFF.

### 1-3. SYSTEM CONNECTIONS

#### CONNECTION DIAGRAM



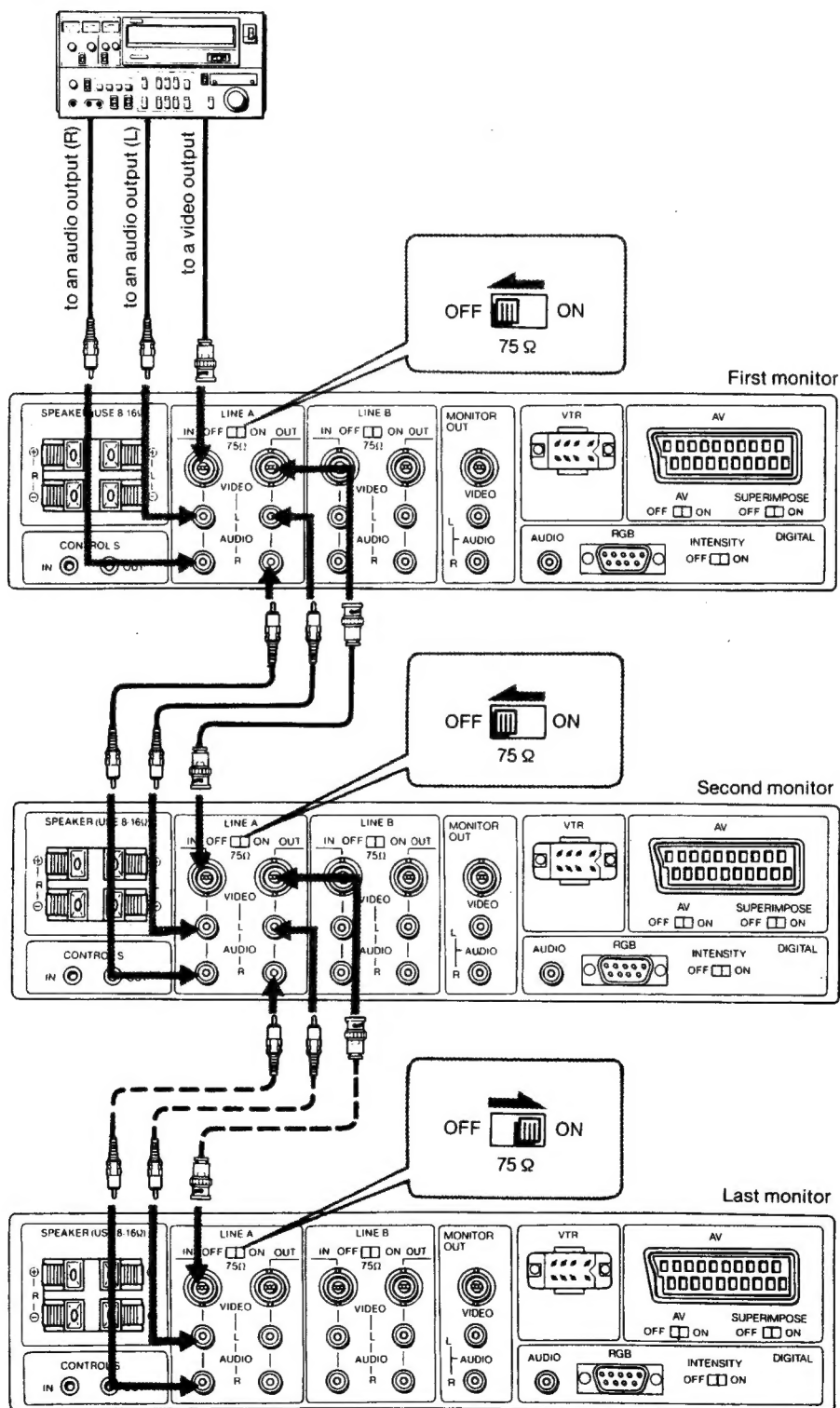
#### Note

- When a microcomputer has an analog RGB output connector, connect it to the AV connector.

- When a microcomputer has only a composite video output connector, connect it to the LINE A or LINE B VIDEO IN connector.

## CONNECTING SEVERAL MONITORS

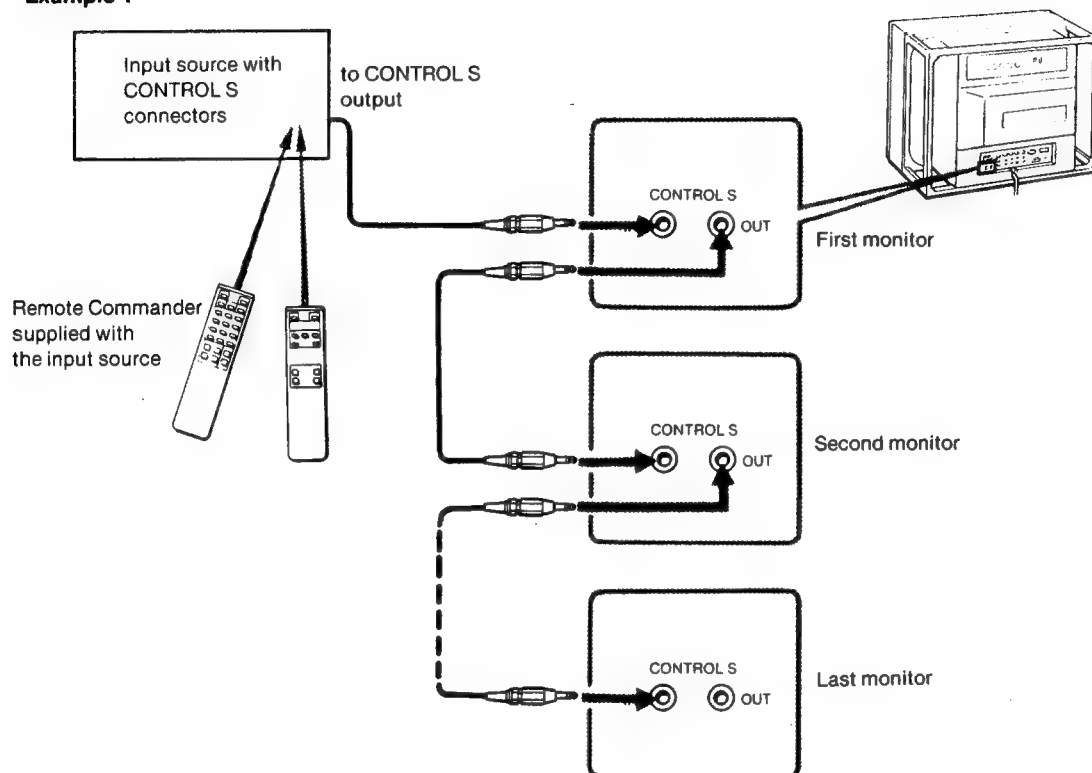
A loop-through connection is convenient for monitoring the same signal on several monitors. Up to 10 monitors can be connected. It is recommended to use a signal distributor when several monitors are connected.



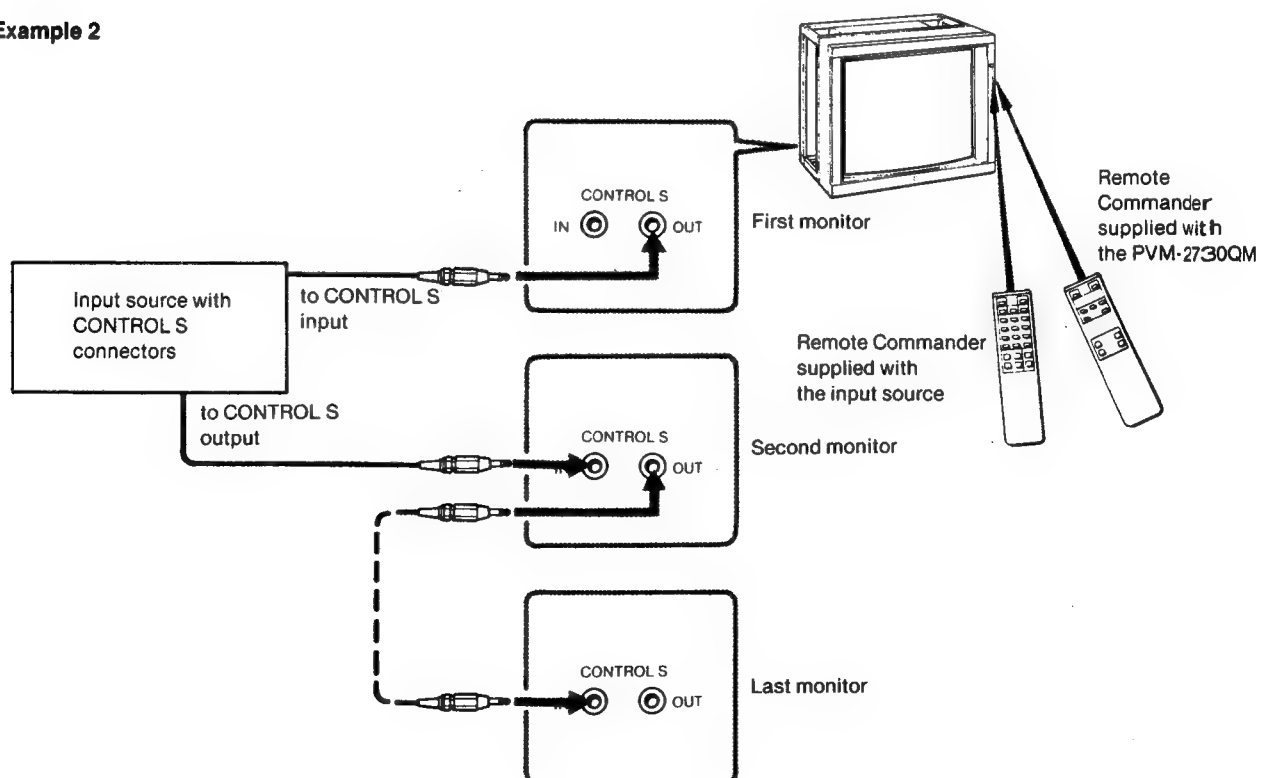
## CONTROL S CONNECTION

The following connections allow remote control of several monitors and a VTR through a single monitor.

### Example 1



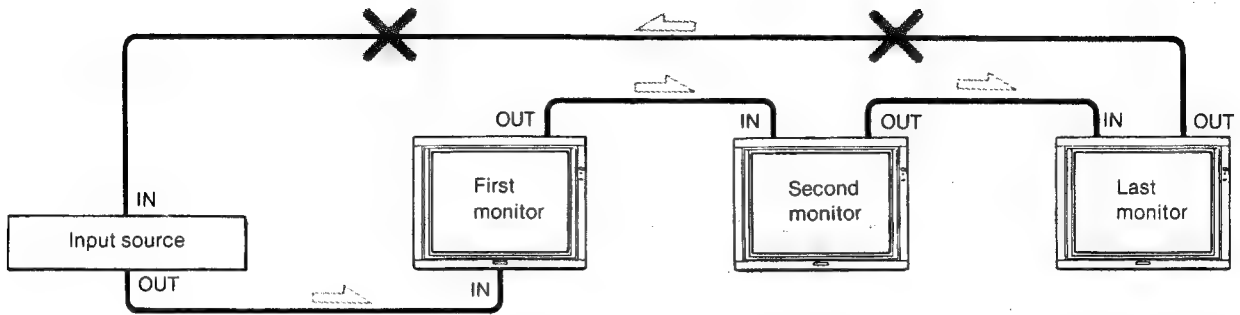
### Example 2



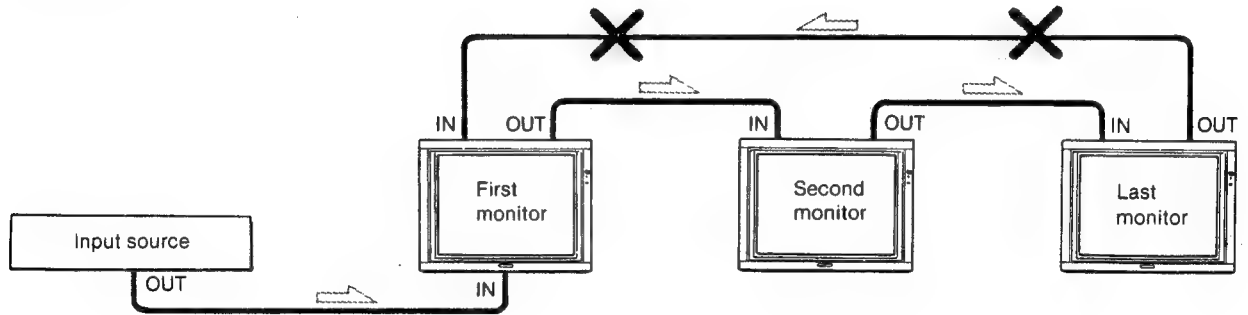
**Note**

Do not use the following loop connections.

**Example 1**



**Example 2**

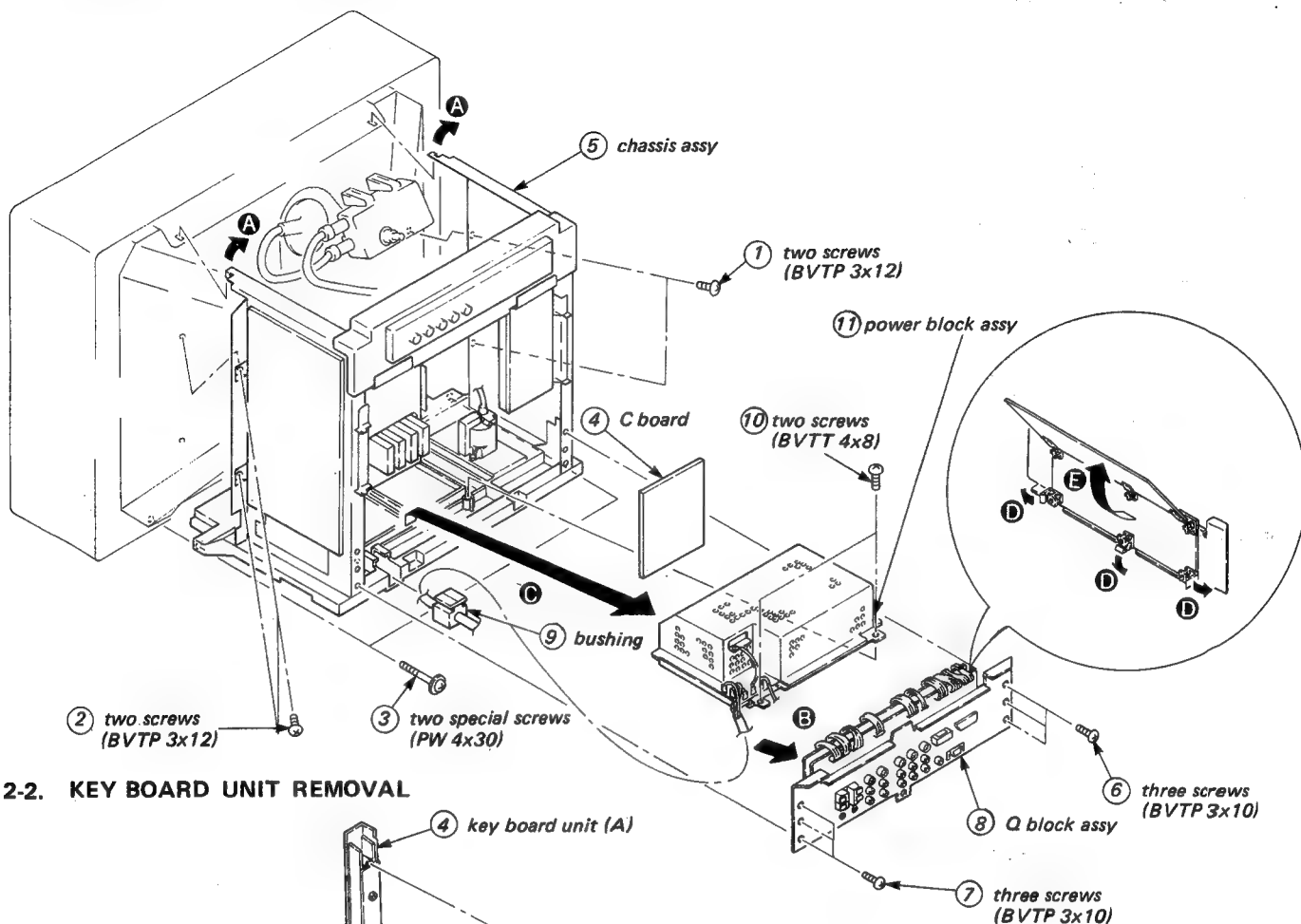


 CONTROL S signal flow

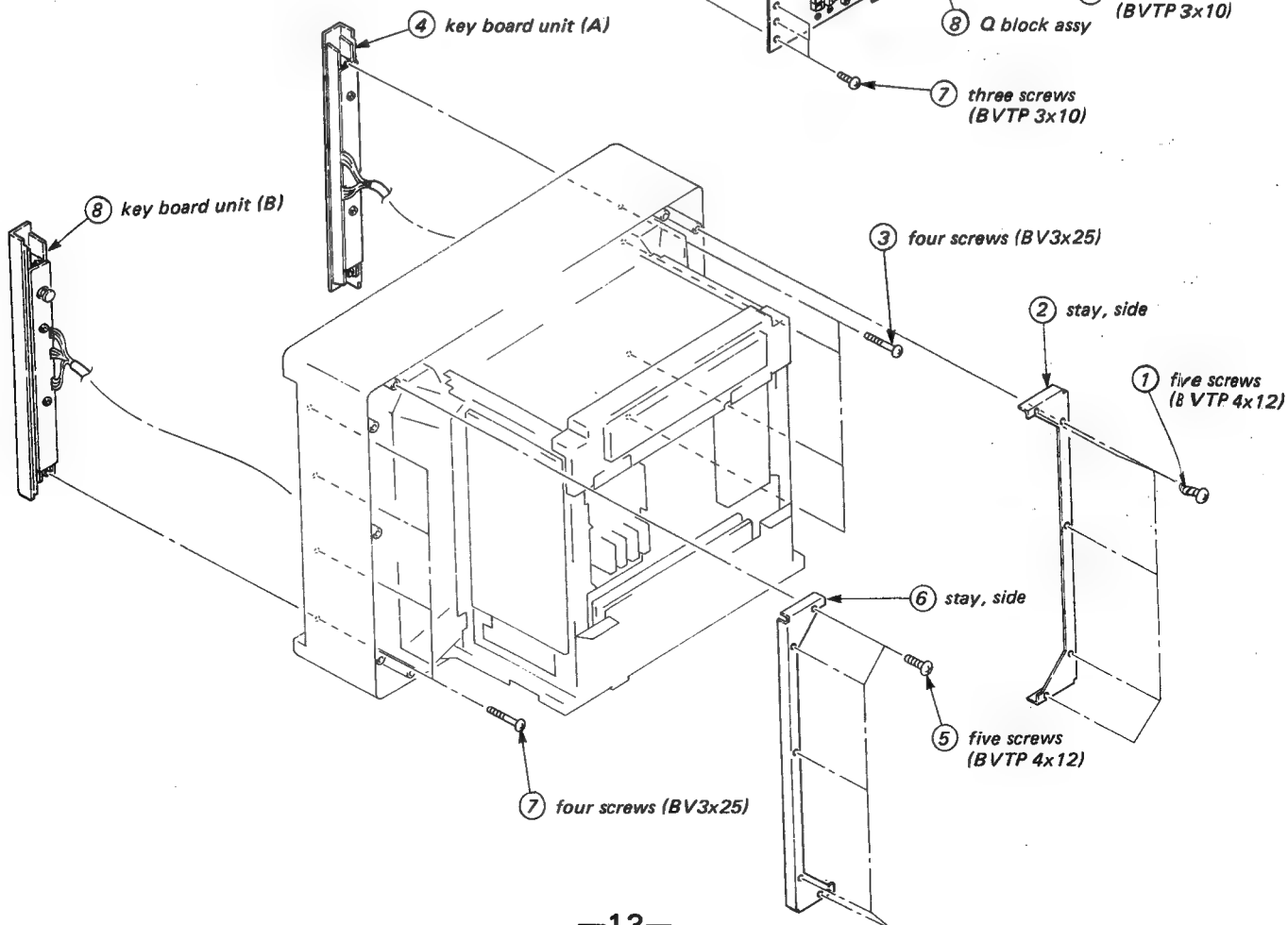


## SECTION 2 DISASSEMBLY

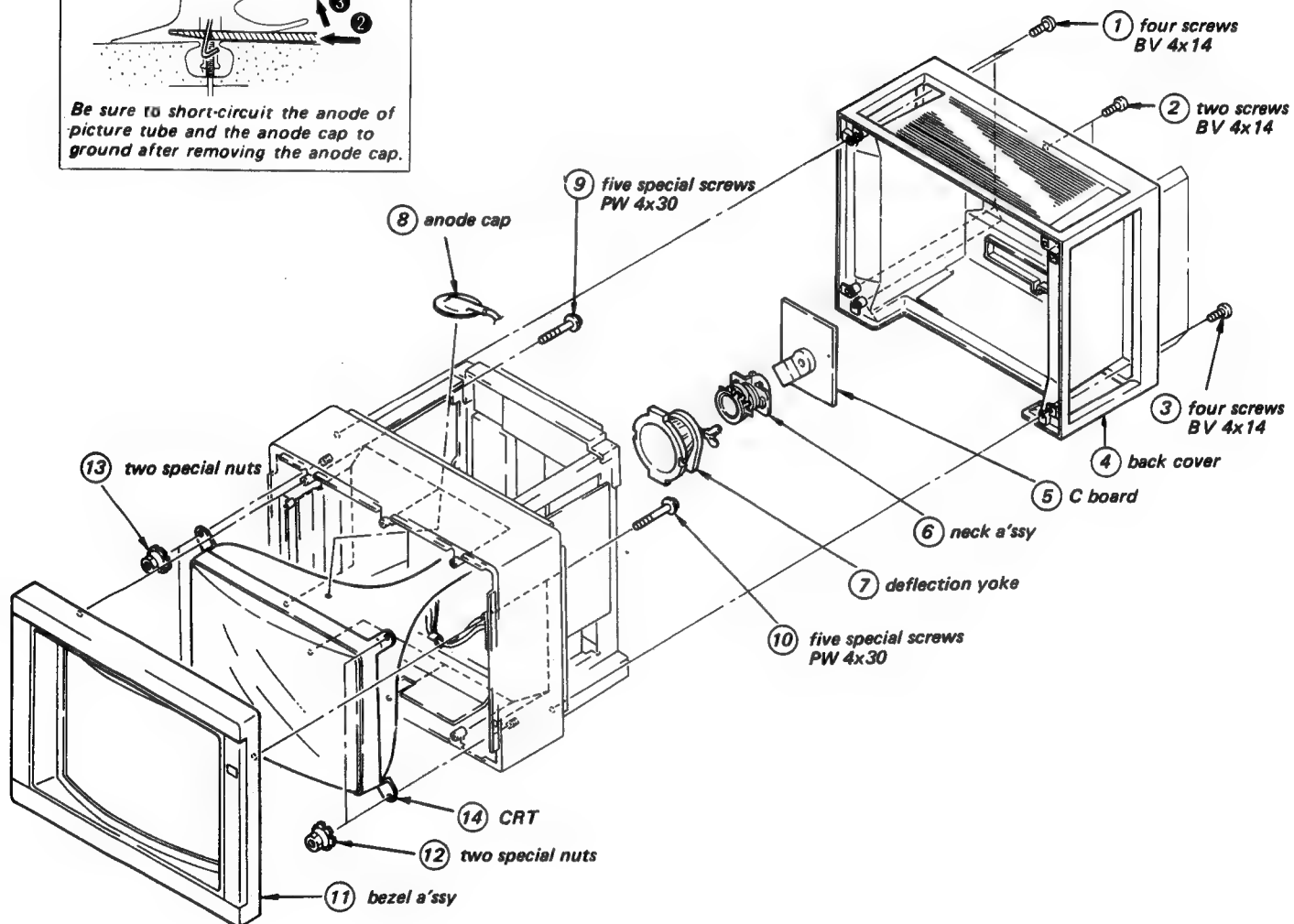
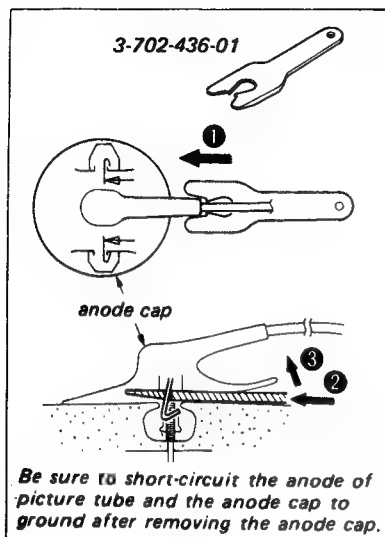
### 2-1. CHASSIS ASSY AND POWER BLOCK ASSY REMOVAL



### 2-2. KEY BOARD UNIT REMOVAL



### 2.3. PICTURE TUBE REMOVAL



## SECTION 3 SETUP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed. These adjustments should be performed with rated power supply voltage unless otherwise noted.

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. SCREEN and White Balance

**Note:** Test Equipment Required.

1. Color-bar/Pattern Generator
2. Degausser

### 3-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
- Before starting, degauss the entire screen.

1. Loosen deflection yoke screw.
2. Position neck ass'y as shown in Fig. 3-1.
3. Adjust purity control as shown in Fig. 3-2.
4. Slide deflection yoke as far forward as it will go.
5. Turn the raster signal of the pattern generator to red.
6. Adjust purity control to center vertical red band as shown in Fig. 3-3.
7. Slide deflection yoke back for a uniform red screen.
8. Check green and blue rasters for uniformity by performing the same way as steps 5, 6 and 7.
9. Tighten the deflection yoke screw.
10. Check if mislanding appears at corners a - d as shown in Fig. 3-4. If mislanding is observed, correct it as shown in Fig. 3-4.
11. Confirm that beam landing is correct when the receiver is faced in all directions.

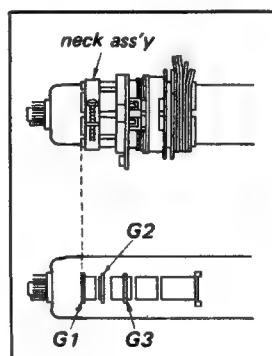


Fig. 3-1.

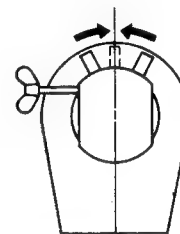


Fig. 3-2.

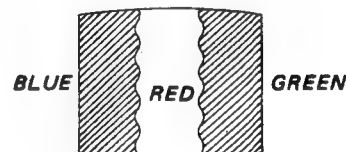


Fig. 3-3.

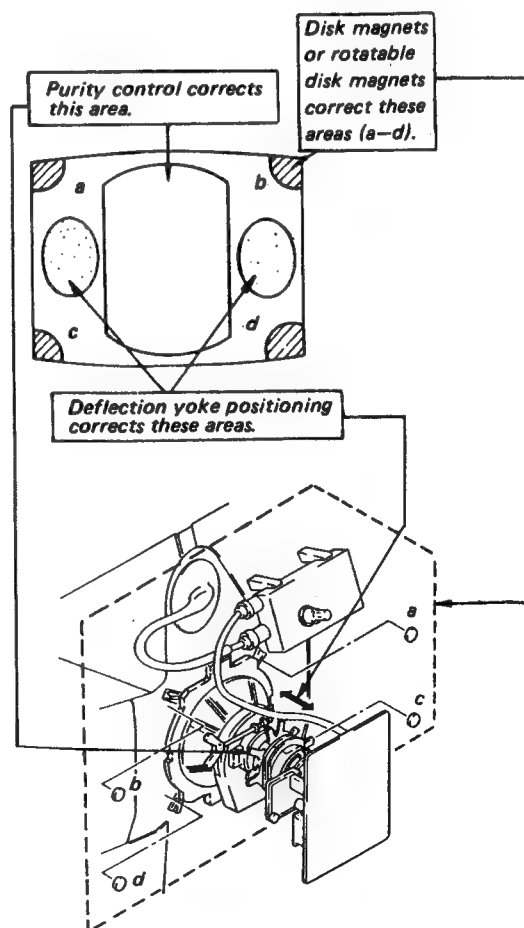
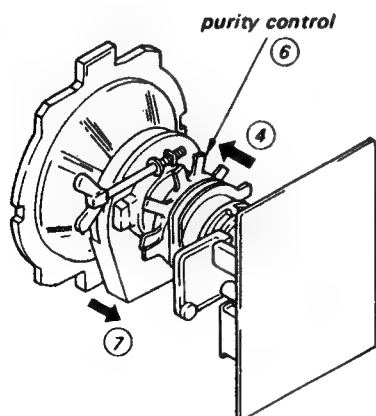


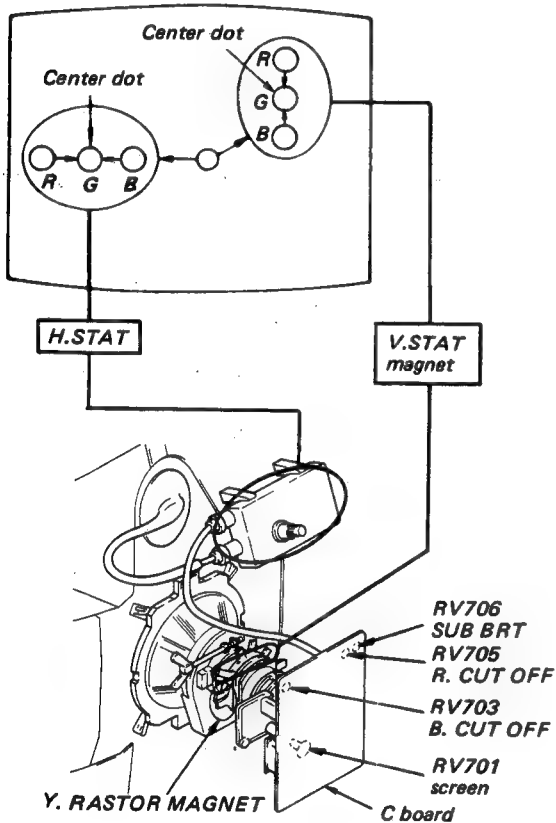
Fig. 3-4.

### CONVERGENCE

Preparation:

- PICTURE — fully counterclockwise
  - BRIGHTNESS — fully counterclockwise
  - CORNER BOW (RV2504)
  - H.TILT (RV2502)
  - Y.BOW (RV2503)
  - H.AMP (RV2501)
  - Y.CROSS (RV2505)
- D<sub>2</sub> board  
mechanical center

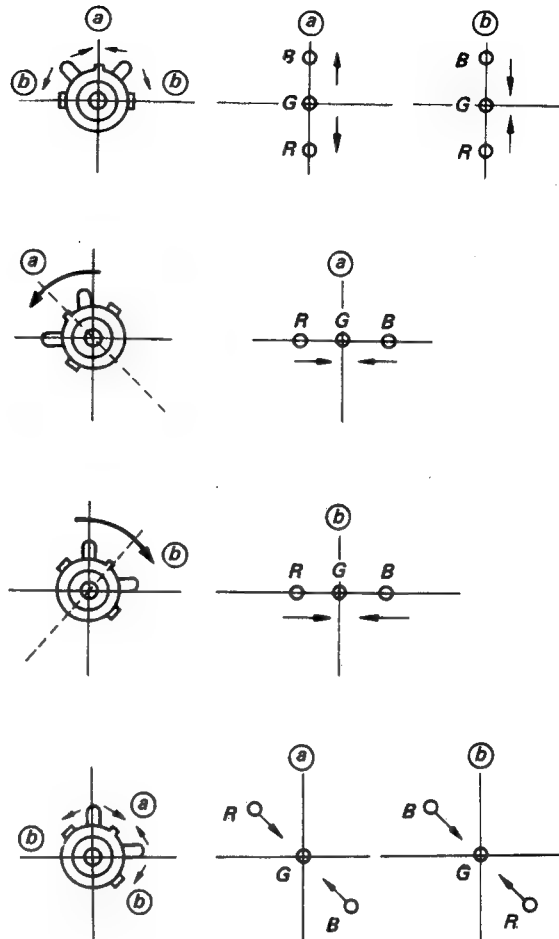
1. Match the horizontal convergence at the center of the screen with H.STAT VR.
2. Match the vertical convergence at the center of the screen with V.STAT Mg.



3. If the red, green and blue dots do not coincide on the center of screen with H.STAT VR, perform horizontal convergence adjustment using H.STAT VR and V.STAT magnet as shown below.  
(In this case, H.STAT VR and V.STAT magnet effect each other.)



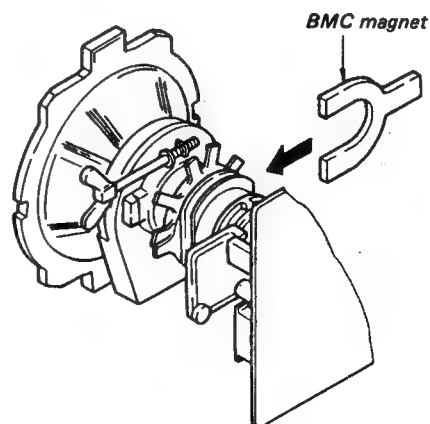
4. When the V.STAT magnet is moved in the direction of arrow a and b, Red, Green and Blue dots move as shown below.



If blue dot does not coincide with red and green dot, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

In either case, repeat Beam Landing Adjustment.



**DYNAMIC CONVERGENCE Adjustment**

**Preparation:**

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
- 1. Loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.
- 3. Move the deflection yoke for best convergence.
- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.
- 6. Adjust the Y.CROSS (RV2505) and Y. BOW (RV2503), so that RED and BLUE shown in Fig.-1 will become  $a=b=c$ .

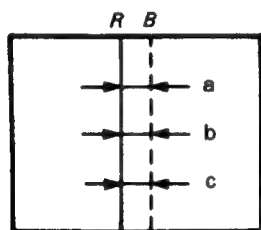


Fig. 1

- 7. Match the horizontal convergence at the center of the screen with H STAT VR.
- 8. Adjust the CORNER BOW (RV2504), so that RED and BLUE shown in Fig.-2 will become  $a=b=c$  and  $d=e=f$ .

Note: At this point, if the relationship between  $a=c$  or  $d=f$  is not established, adjust the Y · CROSS (RV2505) again.

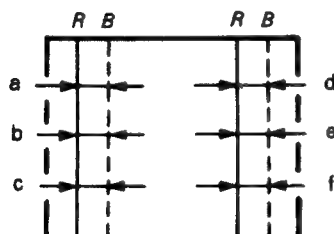


Fig. 2

- 9. Match the horizontal convergence at the centre of the screen with the H STAT VR.
- 10. Adjust the H TILT (RV2502) so that the RED and BLUE shown in Fig.-3 will become  $a=b$ .

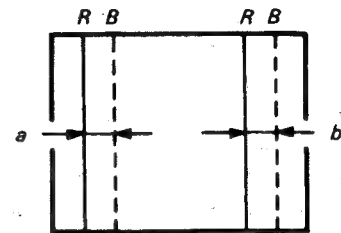


Fig. 3

- 11. Adjust the H AMP (RV2501) so that the RED and BLUE shown in Fig.-4 will become  $a=2b$ .

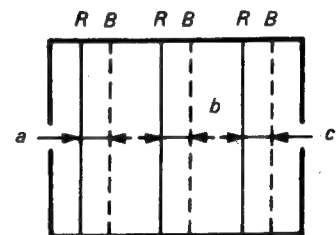


Fig. 4

- 12. Match the horizontal convergence at the center of the screen with the H STAT VR.
- 13. When the H AMP is adjusted repeat the procedures described in Steps 5 to 7.
- 14. If divergence of the convergence exists at the corner of the screen, the adjustments described in Steps after 3 should be repeated.

- H.AMP (RV2501)
- H.TILT (RV2502)
- Y.BOW (RV2503)
- CORNER BOW (RV2504)
- Y.CROSS (RV2505)

**D<sub>2</sub> Board**

(Conductor Side)

**WHITE BALANCE ADJUSTMENT**

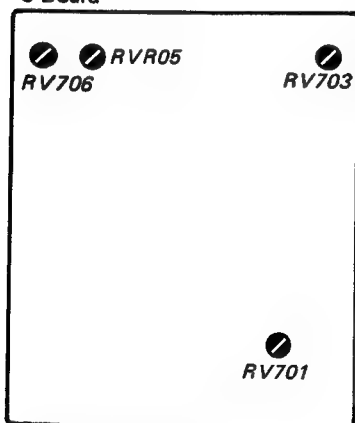
1) SCREEN (G2) Adjustment

1. Input the dot signal.
2. Set the PICTURE control to minimum.
3. Confirm that G1 line voltage is  $30 \pm 5\text{VDC}$ .
4. Apply 180VDC voltage from DC POWER SUPPLY to cathodes terminal of R.G.B.
5. Adjust with the various cut off controls (RV705), (RV703) so that the cathode voltage for Red and Blue is 180V.
6. While watching the screen, adjust with the position immediately before the trace disappears with the screen control (RV701).

2) W/B Adjustment

1. Input a all white signal.
2. Set the PICTURE control to minimum and "Reset" BRIGHTNESS.
3. Adjust RV705 (cut off R) and RV703 (cut off B) for best White Balance.
4. Set PICTURE control to maximum.
5. Adjust RV3301 (B, IK) and RV3320 (G, IK) for best White Balance.
6. Reset steps 2 to 5.

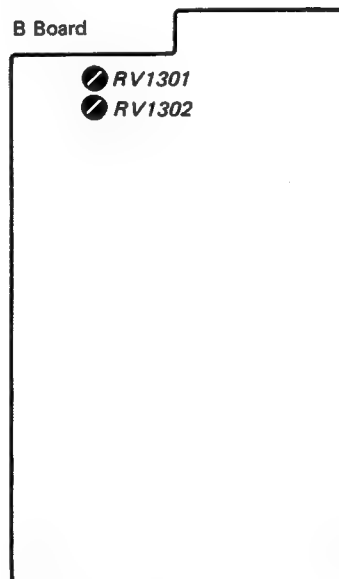
C Board



(Component side)

RV701 (SCRN)  
RV703 (B. CUT OFF)  
RV705 (R. CUT OFF)  
RV706 (SUB BRT)

B Board



(Component side)

RV1301 (G IK)  
RV1302 (B IK)

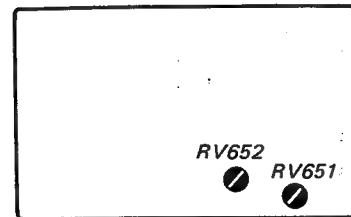
## SECTION 4 CIRCUIT ADJUSTMENTS

### 4-1. FA, FC BOARDS ADJUSTMENT

#### +B Line Adjustment

1. Supply 220V ac to with variable auto-transformer.
2. Adjust RV651 so that the +B line is  $140V \pm 0.5V$ .
3. Adjust RV652 so that the pin ① of IC651 is  $32 \pm 0.1V$ .

FA Board



RV651 (+B ADJ)  
RV652 (REF ADJ)

(Component side)

### 4-2. D AND D3 BOARD ADJUSTMENTS

#### Horizontal Position Adjustment

1. Check that H center moves so that and left with horizontal position VR (RV1503), then adjust horizontal position to center.

#### HV REG. ADJUSTMENT

1. Set the PICTURE control to maximum and BRIGHTNESS control for the RESET position.
2. Adjust HV REG voltage to  $1.0 \pm 0.1V$  dc with RV1510.

#### Picture Distortion Adjustment

1. Picture distortion adjustment input a PAL color bar signal equivalent to a crosshatch signal.
2. Confirm that the voltage of connector D-10 is less than 9.98V dc when the RV1510 (HV REG VR), with fully clockwise.

#### • PIN PHASE (RV2603) . . . . .D3 Board



(Note: NTSC PIN PHASE RV-2604)

#### • PIN AMP (RV2605) . . . . .D3 Board



(Note: NTSC PIN AMP RV-2606)

#### • TOP PIN (RV2601) . . . . .D3 Board



#### • BOTTOM PIN (RV2602) . . . . .D3 Board



3. Adjust RV1505 (H. SIZE) so that H. SIZE is best.
4. Adjust RV1503 (H. CENT) so that horizontal position is center.
5. Adjust RV501 (V. SIZE) so that V. SIZE is best.
6. Adjust RV503 (V. CENT) so that V. CENT is best.
7. Adjust RV1506 (PICTURE AMP) so that picture center is best.

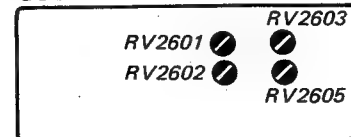
#### H. FREQ ADJUSTMENT

1. Input a color bar signal and short between IC1501 pins ① and ①.
2. Adjust RV1501 (H. FREQ VR) so that picture flow is as shown in figure.
3. After adjustment, remove the connections in step 1.



fo: suitable

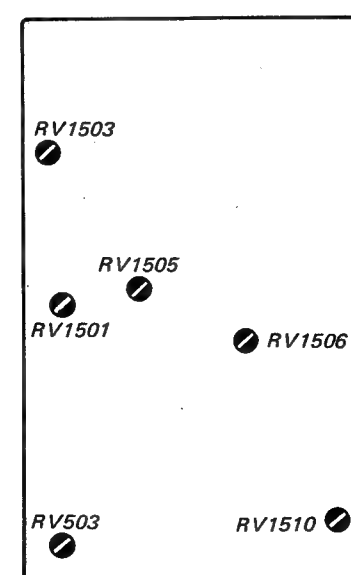
D3 Board



(Component side)

RV2601 (TOP PIN)  
RV2602 (BOTTOM PIN)  
RV2603 (PIN PHASE 50)  
RV2605 (PIN AMP 50)

D Board

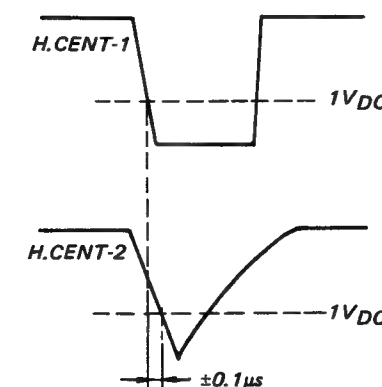
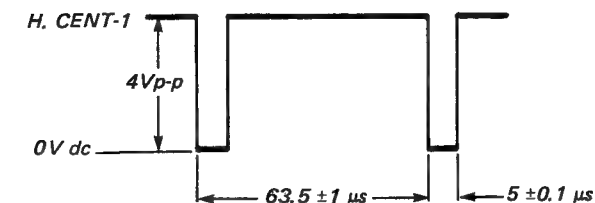


RV503 (V. CENT)  
RV1501 (H. FREQ)  
RV1503 (H. CENT)  
RV1505 (H. SIZE)  
RV1506 (PICTURE AMP)  
RV1510 (H.V REG)

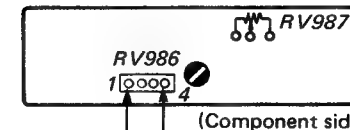
### 4-3. HC BOARD ADJUSTMENT

#### H. CENTER Adjustment (DIGITAL RGB)

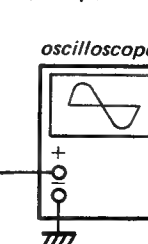
1. Connect to the digital RGB output connector of a microcomputer.
2. Press to select the RGB mode.
3. Turn the H. CENT VR (RV987—Rear control panel) to center position.
4. Connect the oscilloscope to pin ④ of HC-2 connector and pin ① of HC-2 connector.
5. Adjust RV986 (H. CENT-2) so that the phase difference level is  $\pm 0.1\mu\text{sec}$ .



HC Board



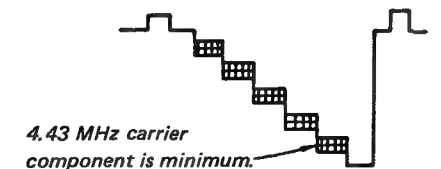
RV986 (H. CENT-2)  
RV987 (H. CENT VR)



### 4-4. B BOARD ADJUSTMENTS

#### Y Chroma Adjustment

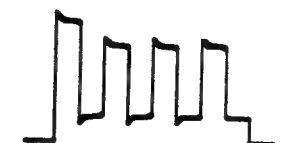
1. Input a PAL color bar signal.
2. Connect an oscilloscope to pin ③⑤ of IC301, and adjust so that chroma component is minimum on pin ③⑤ of IC301 waveform while tracking with L451 (4.43 MHz).



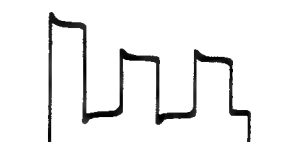
3. Input a NTSC (3.58) color bar signal.
4. Connect an oscilloscope to pin ③⑤ of IC301 and adjust so that chroma component is minimum on pin ③⑤ of IC301 waveform while tracking with L452.

#### COLOR BALANCE Adjustment

1. Input a SECAM color bar signal and set PICTURE to maximum. Press "RESET" to set color to standard state.
2. Observe blue output (TP33) waveform on the oscilloscope and adjust L421 (B-Y) so that the black portion of the color bar is the same level as the pedestal.



3. Observe blue output (TP31) waveform on the oscilloscope and adjust L405 (R-Y) so that the black portion of the color bar is the same level as the pedestal.



## TMENT

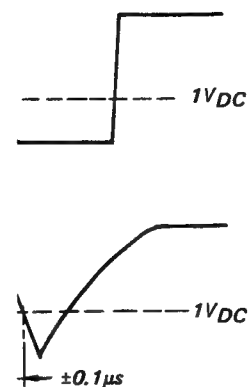
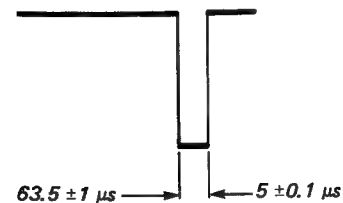
## GITAL RGB)

RGB output connector of a  
mode.

(RV987—Rear control panel)

to pin (4) of HC-2 connector  
inector.

NT-2) so that the phase differ-



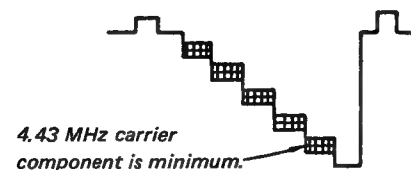
RV987  
RV986 (H. CENT-2)  
RV987 (H. CENT VR)



## 4.4. B BOARD ADJUSTMENTS

## Y Chroma Adjustment

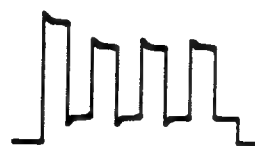
1. Input a PAL color bar signal.
2. Connect an oscilloscope to pin (35) of IC301, and adjust so that chroma component is minimum on pin (35) of IC301 waveform while tracking with L451 (4.43 MHz).



3. Input a NTSC (3.58) color bar signal.
4. Connect an oscilloscope to pin (35) of IC301 and adjust so that chroma component is minimum on pin (35) of IC301 waveform while tracking with L452.

## COLOR BALANCE Adjustment

1. Input a SECAM color bar signal and set PICTURE to maximum. Press "RESET" to set color to standard state.
2. Observe blue output (TP33) waveform on the oscilloscope and adjust L421 (B-Y) so that the black portion of the color bar is the same level as the pedestal.



3. Observe blue output (TP31) waveform on the oscilloscope and adjust L405 (R-Y) so that the black portion of the color bar is the same level as the pedestal.



## ANTI-PAL, LINE CRAWLING Adjustment

1. Input a PAL color bar signal and set PICTURE to maximum. Press "RESET" to set COLOR, HUE and BRT to standard state.
2. Confirm that there is no color on the first anti-PAL signal frames at the right and left of the picture. If sides while tracking with RV303.
3. Adjust T301 (DAT) for minimum line crawling.
4. Confirm the anti-PAL adjustment in 2, and repeat 3, and 1 if necessary.

## APC Adjustment

## 4.43 adjustment

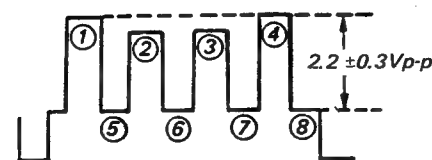
1. Input a PAL color bar signal.
2. Short pin (11) and pin (12) on IC301.
3. Adjust CT443 to get color sync.

## 3.58 adjustment

4. Input a NTSC (3.58 MHz) color bar signal.
5. Adjust CT358 to get color sync.

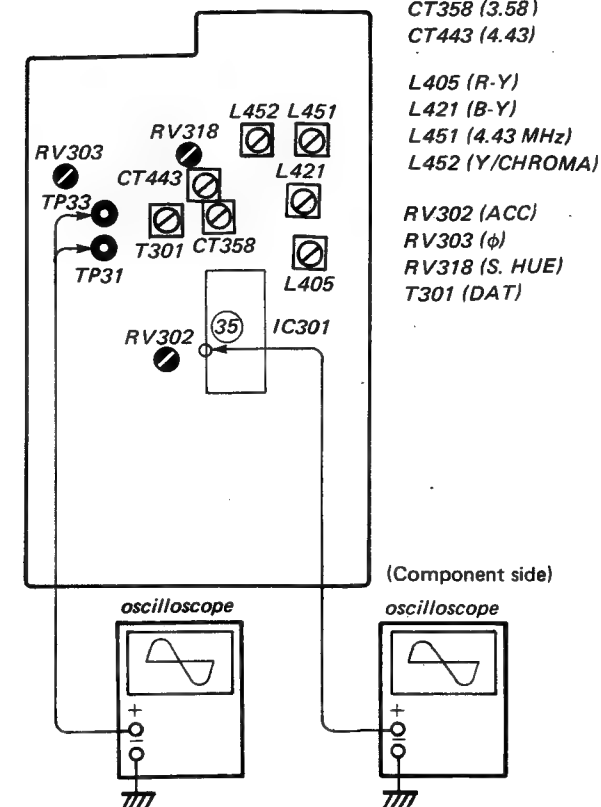
## ACC, HUE CENT Adjustment

1. Input a PAL color bar signal and set PICTURE maximum.
2. Adjust RV302 (ACC ADJ) so that blue output (TP33) waveform is as shown in figure.



3. Input a NTSC (3.58 or 4.43) color bar signal and set PICTURE to maximum. Press "RESET" to set COLOR, HUE and BRIGHTNESS to standard state.
4. Adjust RV318 (S. HUE) so that blue output (TP33) waveform is as shown in figure.

## B Board



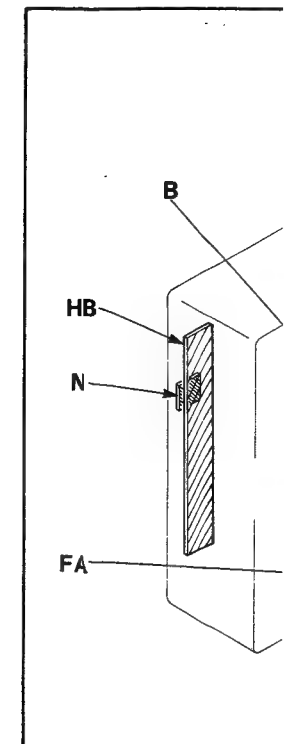
CT358 (3.58)  
CT443 (4.43)

L405 (R-Y)  
L421 (B-Y)  
L451 (4.43 MHz)  
L452 (Y/CHROMA)

RV302 (ACC)  
RV303 (φ)  
RV318 (S. HUE)  
T301 (DAT)

(Component side)

## 5-1. CIRCUIT BOARDS LOCATION



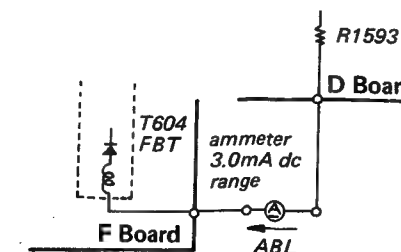
## 4.5. SAFETY CHECK Adjustment

## HOLD DOWN ADJUSTMENT (※R597)

1. Turn the POWER switch ON, and receive entirely white signals and set the PICTURE and BRIGHTNESS control to maximum.
2. Confirm that the voltage of the TP85 is more than 8.7V DC when the set is operating normally with 120V AC supply.
3. Adjust ABL current to 1600 ± 30μA with PICTURE and BRIGHTNESS.
4. Confirm that there is less than 10.50V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of TP85)
5. Adjust ABL current to 290 ± 5μA with PICTURE and BRIGHTNESS.
6. Confirm that there is less than 11.00V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of TP85).

Note: If the hold-down circuit starts operating in the above case, switch OFF and POWER of the set immediately.

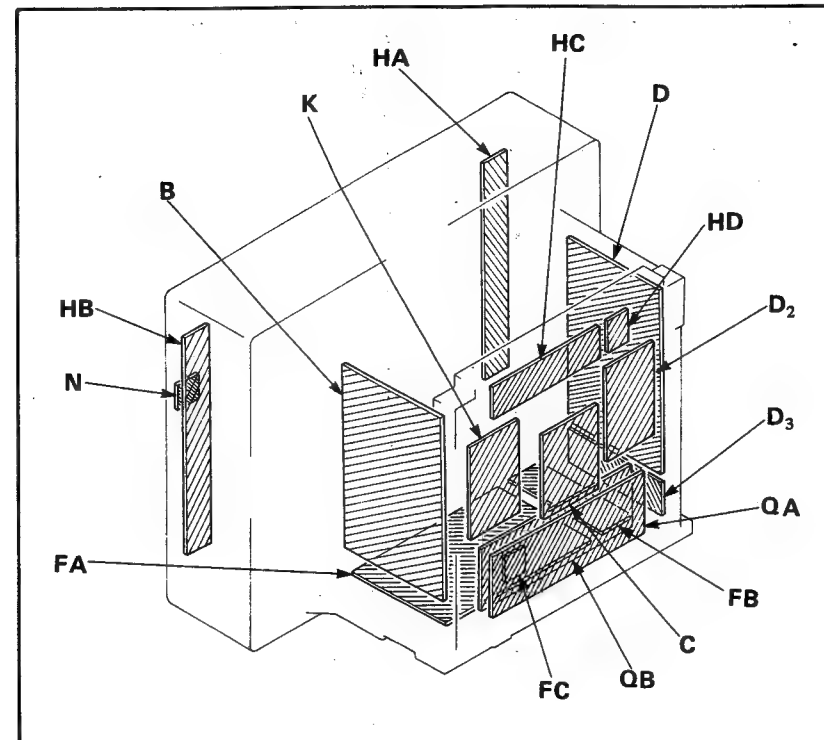
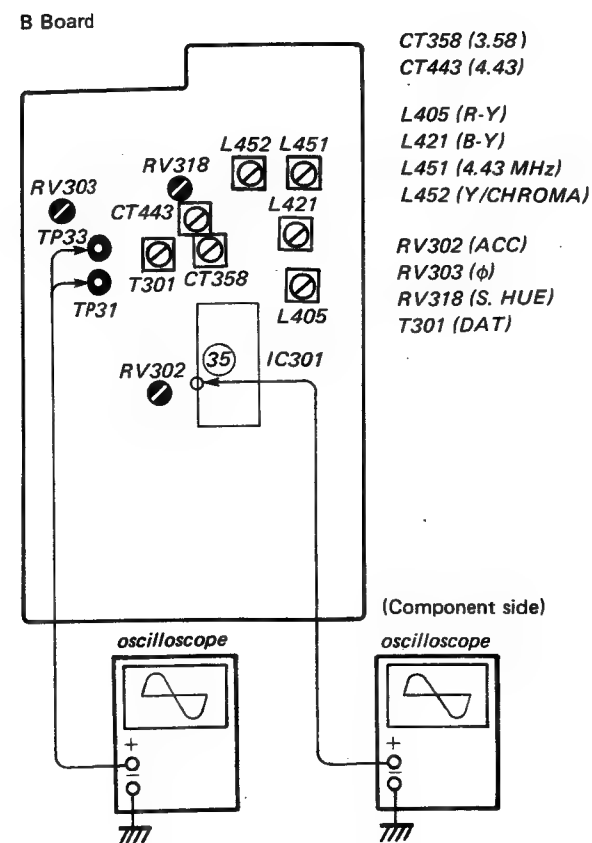
7. If above steps is not satisfied, select resistance value of R597 and repeat above steps 1 through 6.





## SECTION 5 DIAGRAMS

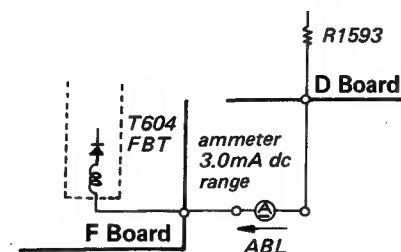
### 5-1. CIRCUIT BOARDS LOCATION



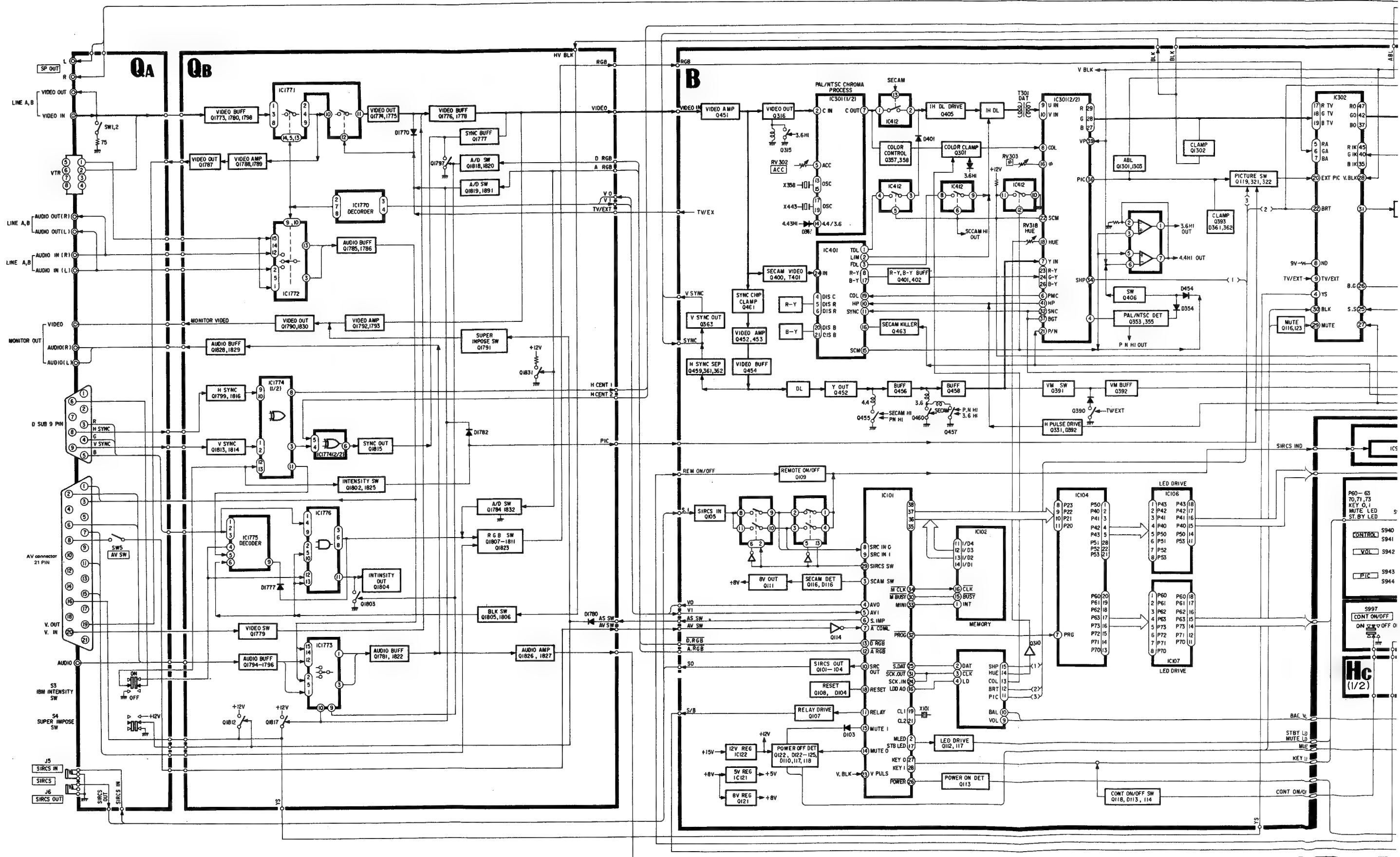
### 4-5. SAFETY CHECK Adjustment

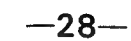
#### HOLD DOWN ADJUSTMENT ( \*R597)

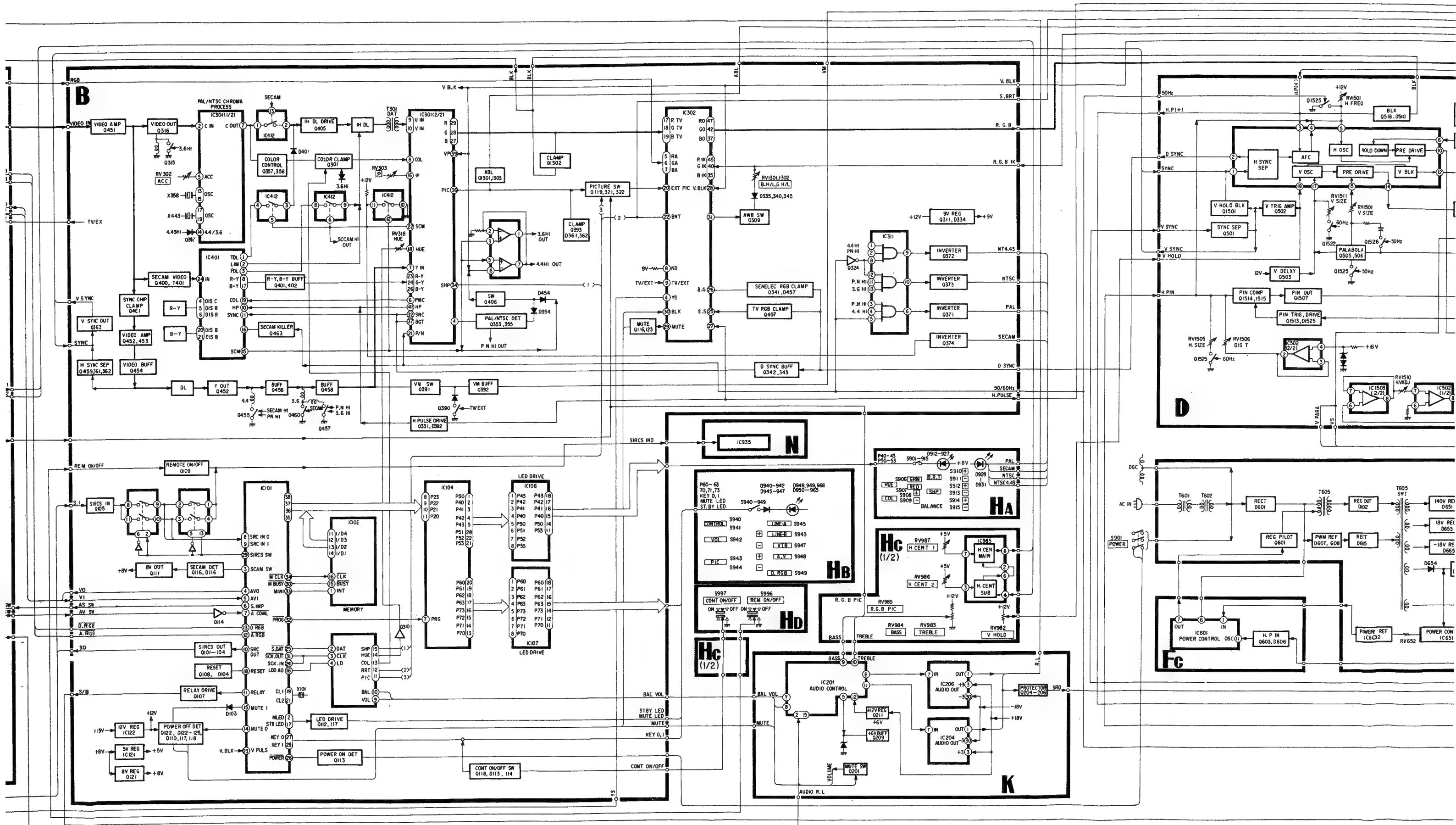
1. Turn the POWER switch ON, and receive entirely white signals and set the PICTURE and BRIGHTNESS control to maximum.
  2. Confirm that the voltage of the TP85 is more than 8.7V DC when the set is operating normally with 120V AC supply.
  3. Adjust ABL current to  $1600 \pm 30\mu A$  with PICTURE and BRIGHTNESS.
  4. Confirm that there is less than 10.50V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of TP85)
  5. Adjust ABL current to  $290 \pm 5\mu A$  with PICTURE and BRIGHTNESS.
  6. Confirm that there is less than 11.00V DC where by the raster disappears during operation of hold-down circuit. (HOLD DOWN check point of TP85).
- Note: If the hold-down circuit starts operating in the above case, switch OFF and POWER of the set immediately.
7. If above steps is not satisfied, select resistance value of R597 and repeat above steps 1 through 6.



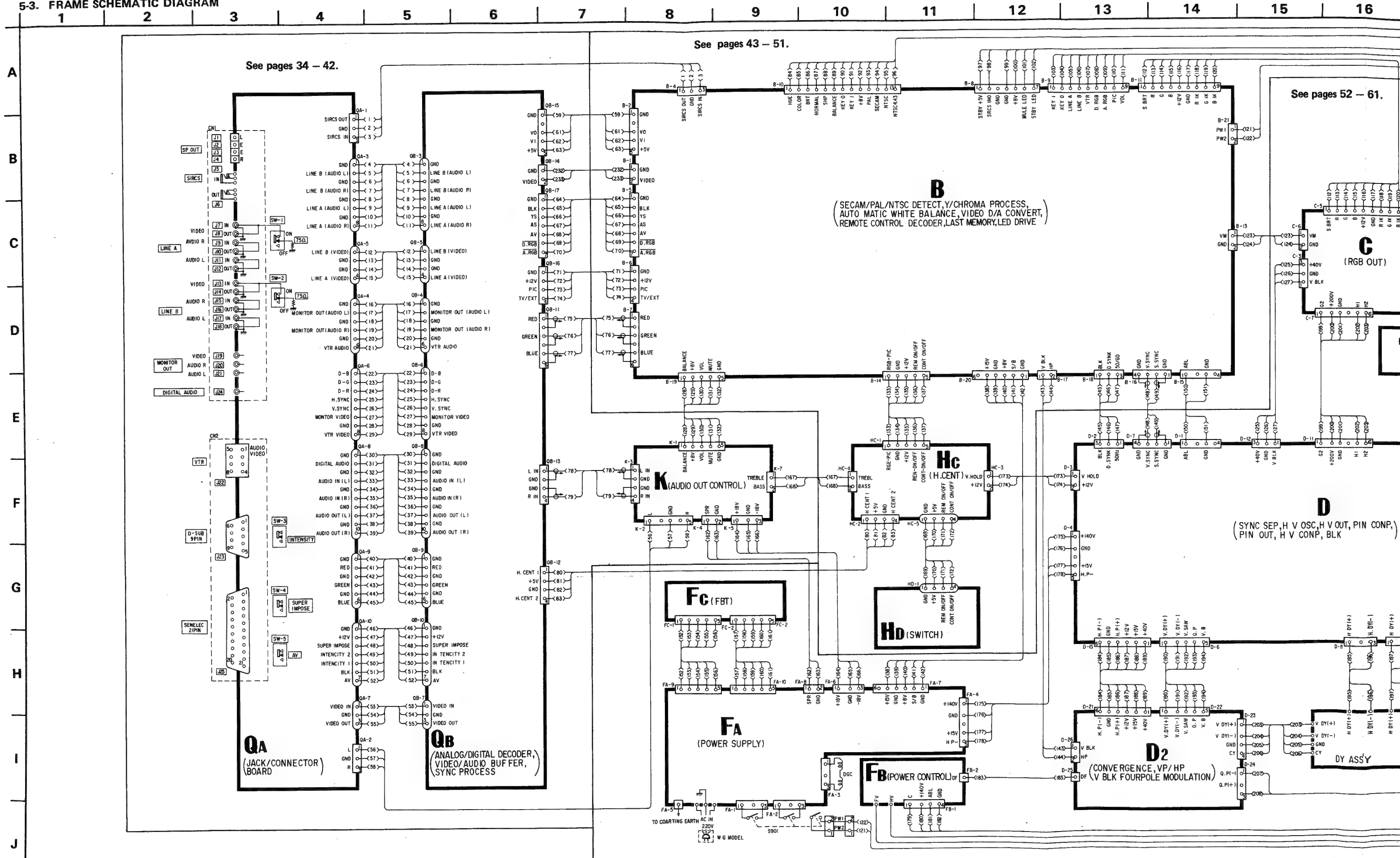
## 5-2. BLOCK DIAGRAM

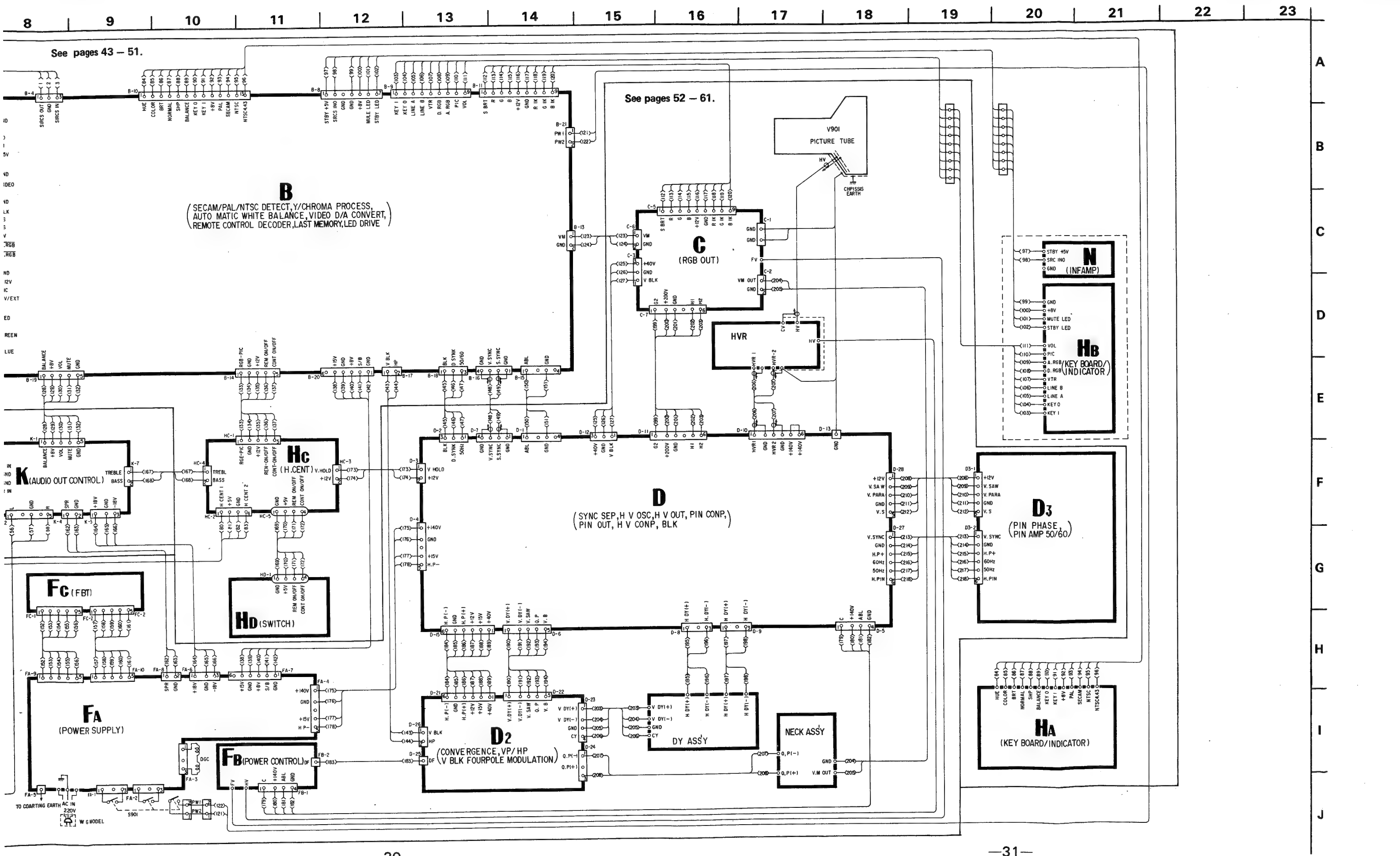


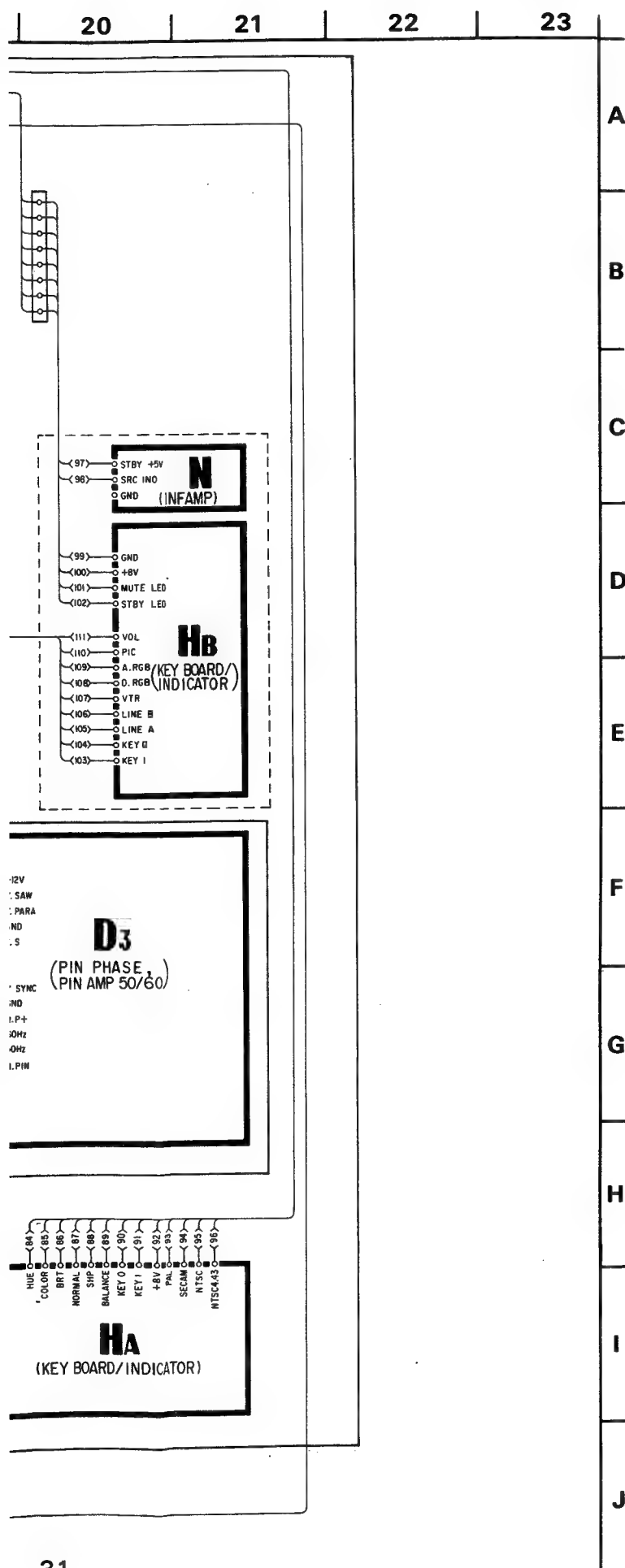




## 5-3. FRAME SCHEMATIC DIAGRAM



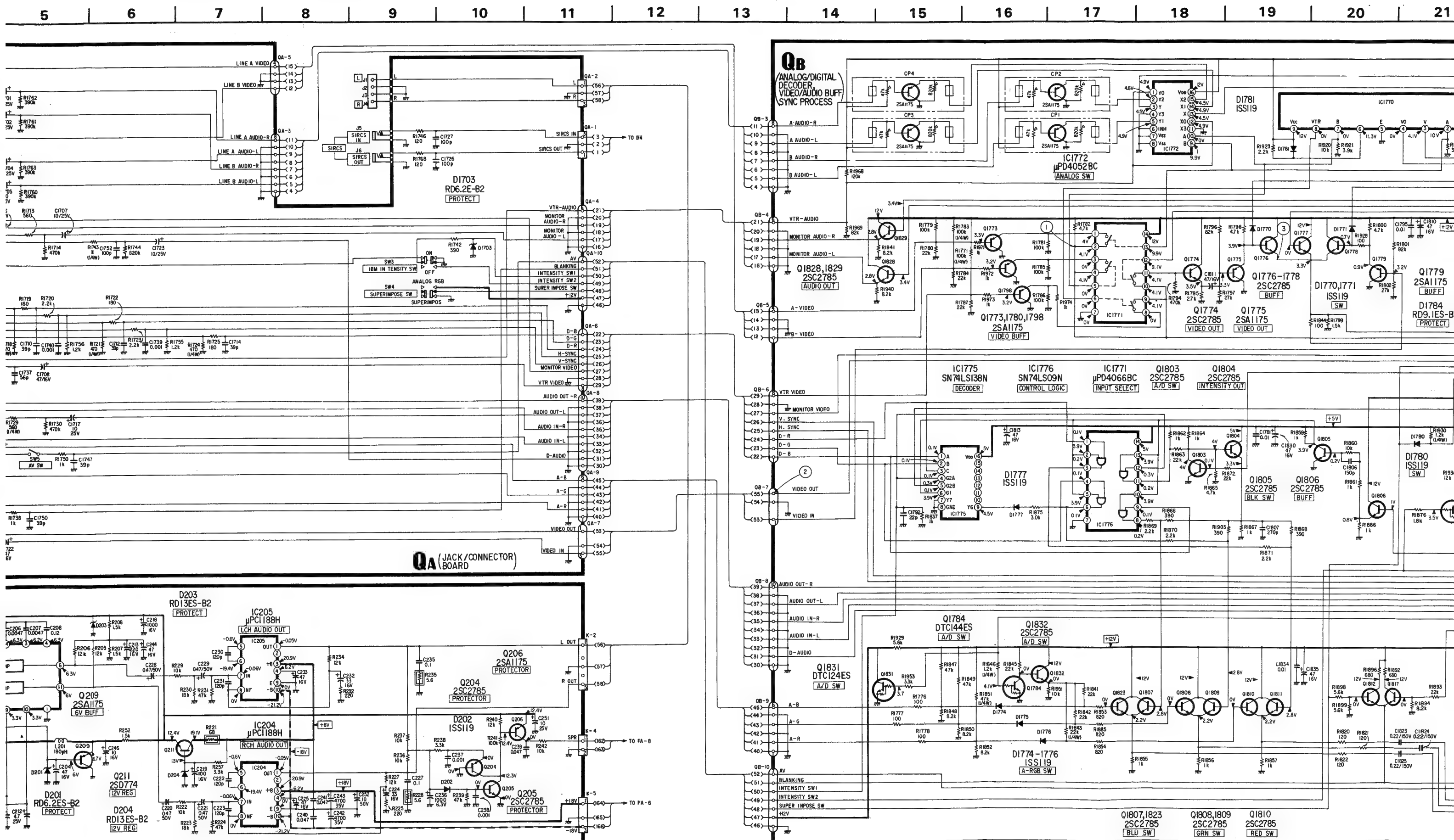


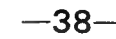












PVM-2730QM  
RM-668

PVM-2730QM  
RM-668

(ANALOG/DIGITAL RECORDER)  
VIDEO/AUDIO BUFFER,  
SYNC PROCESS

QB

(JACK/CONNECTOR)

QA

QB

QA

K

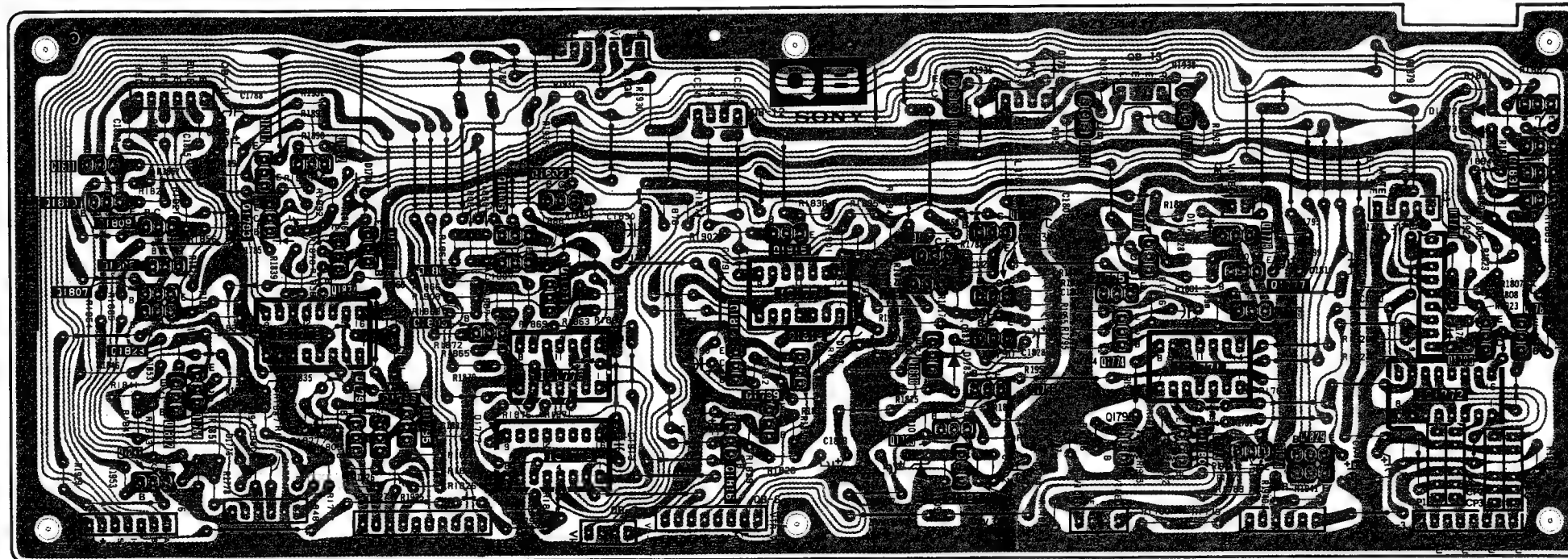
(AUDIO OUT CONTROL)

— Conductor Side —

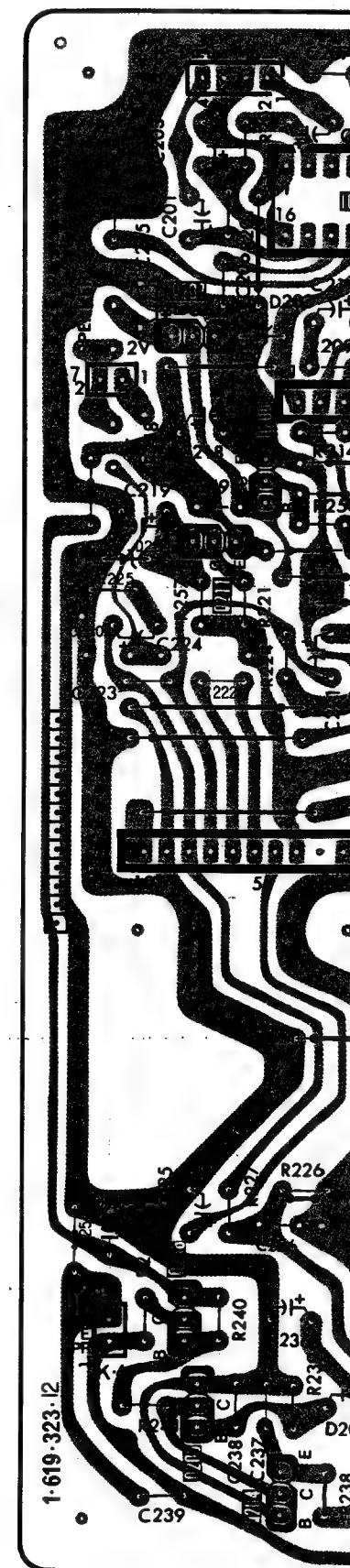
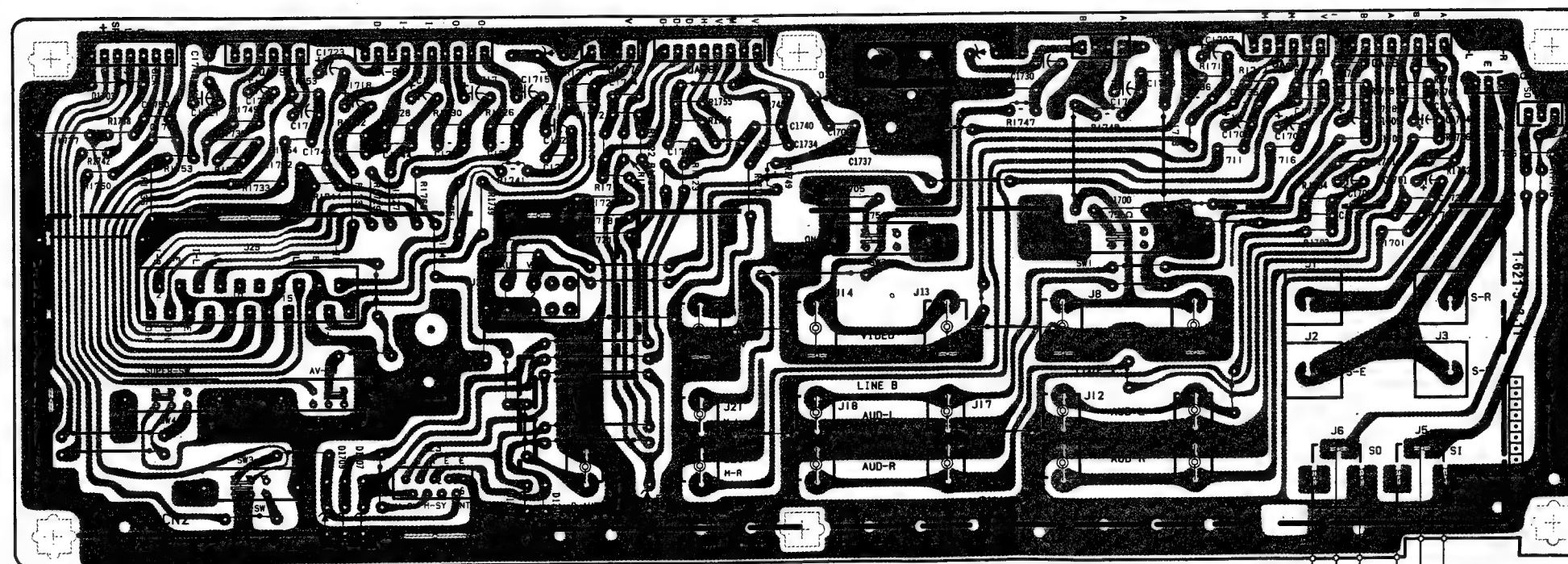
— K Board —

IC	1811	1809	1817	1812	1806	1802	1815	1825	1792	1826	1827	1778	1777	1819
Q	1810	1808	1817	1812	1806	1802	1815	1825	1792	1826	1827	1778	1777	1819
	1807	1823	1817	1812	1806	1802	1815	1825	1792	1826	1827	1778	1777	1819
	1831	1832	1817	1812	1806	1802	1815	1825	1792	1826	1827	1778	1777	1819
D	1703	1776	1775	1774	1771	1709	1707	1777, 1708, 1710	1706	1787	1784	1783	1772	1773

— QB Board —



— QA Board —

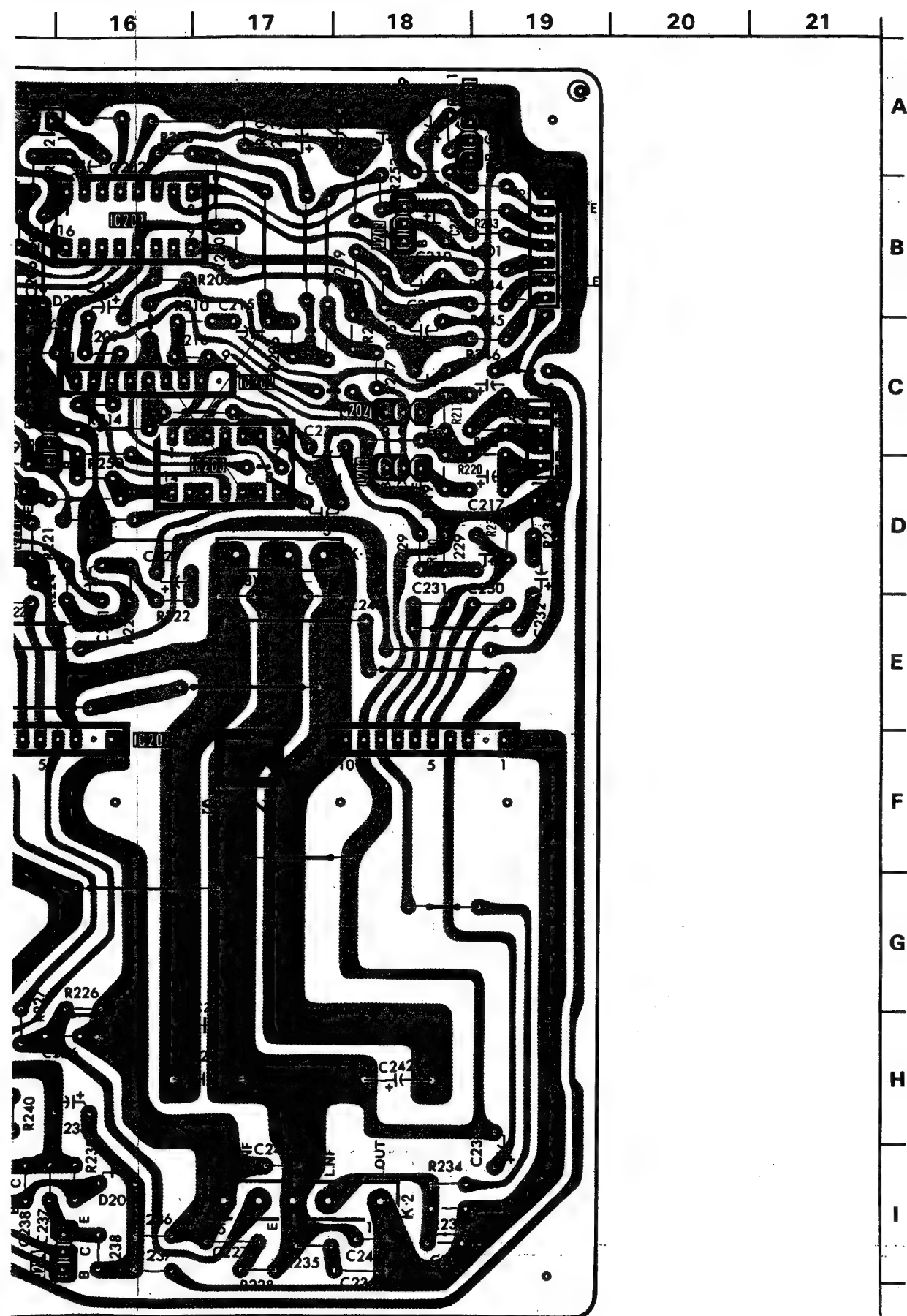




**PVM-2730QM**  
**RM-668**

**PVM-2730QM**  
**RM-668**

# K



—41—

**A**

**B**

**C**

**D**

**E**

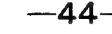
**F****G**

## H

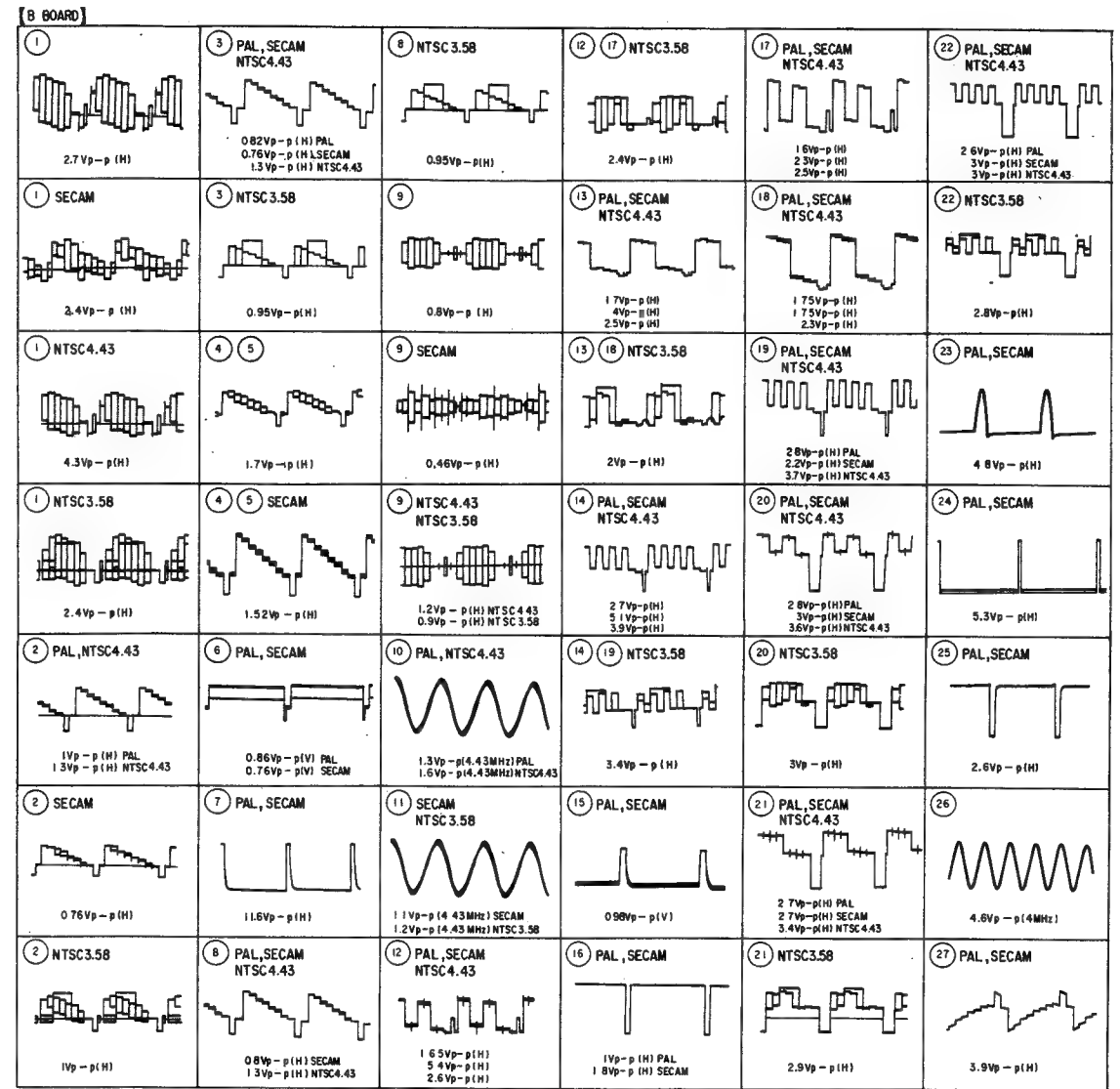
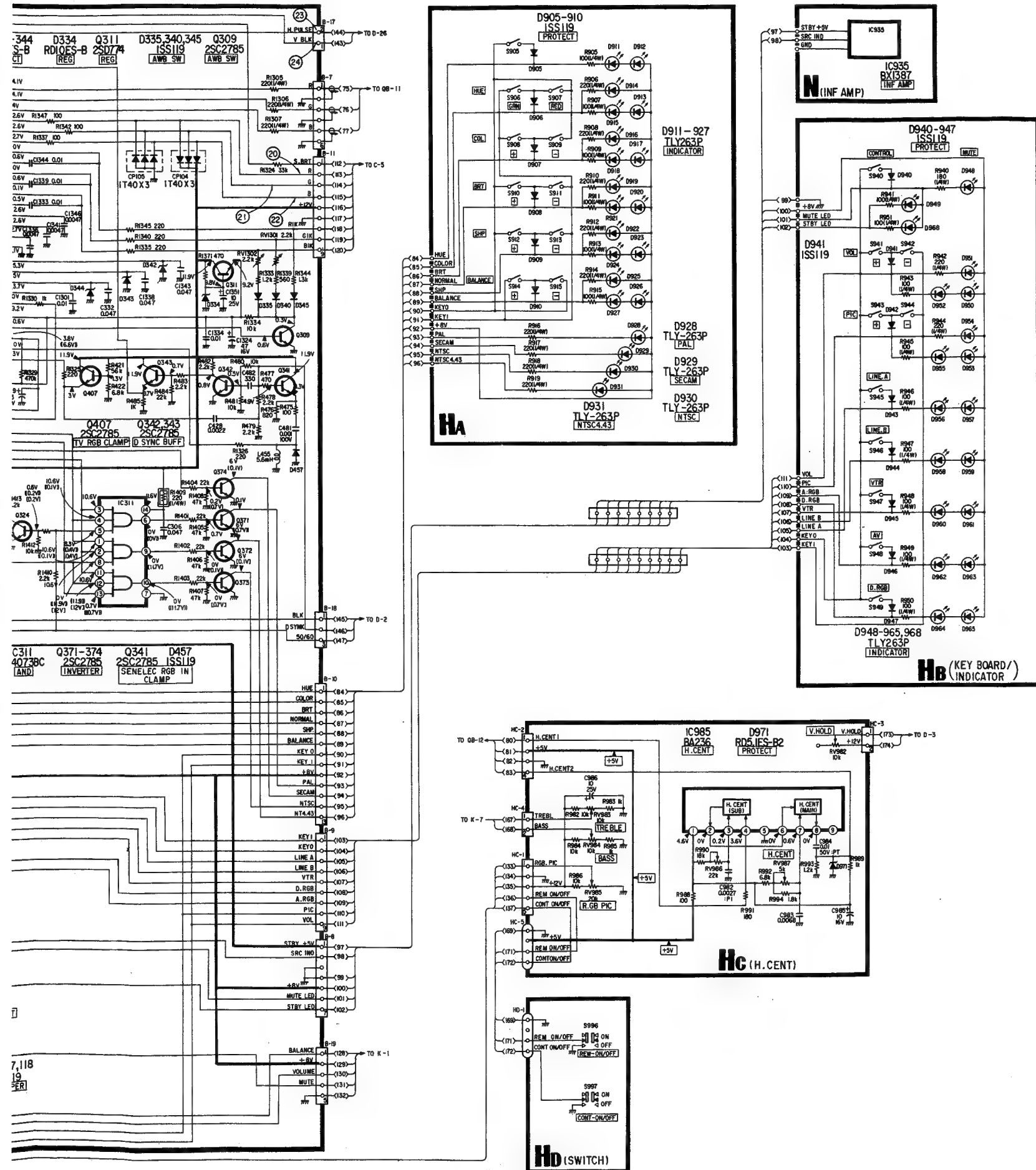
1

J

—42—



16 17 18 19 20 21 22 23 24





PVM-2730QM  
RM-668

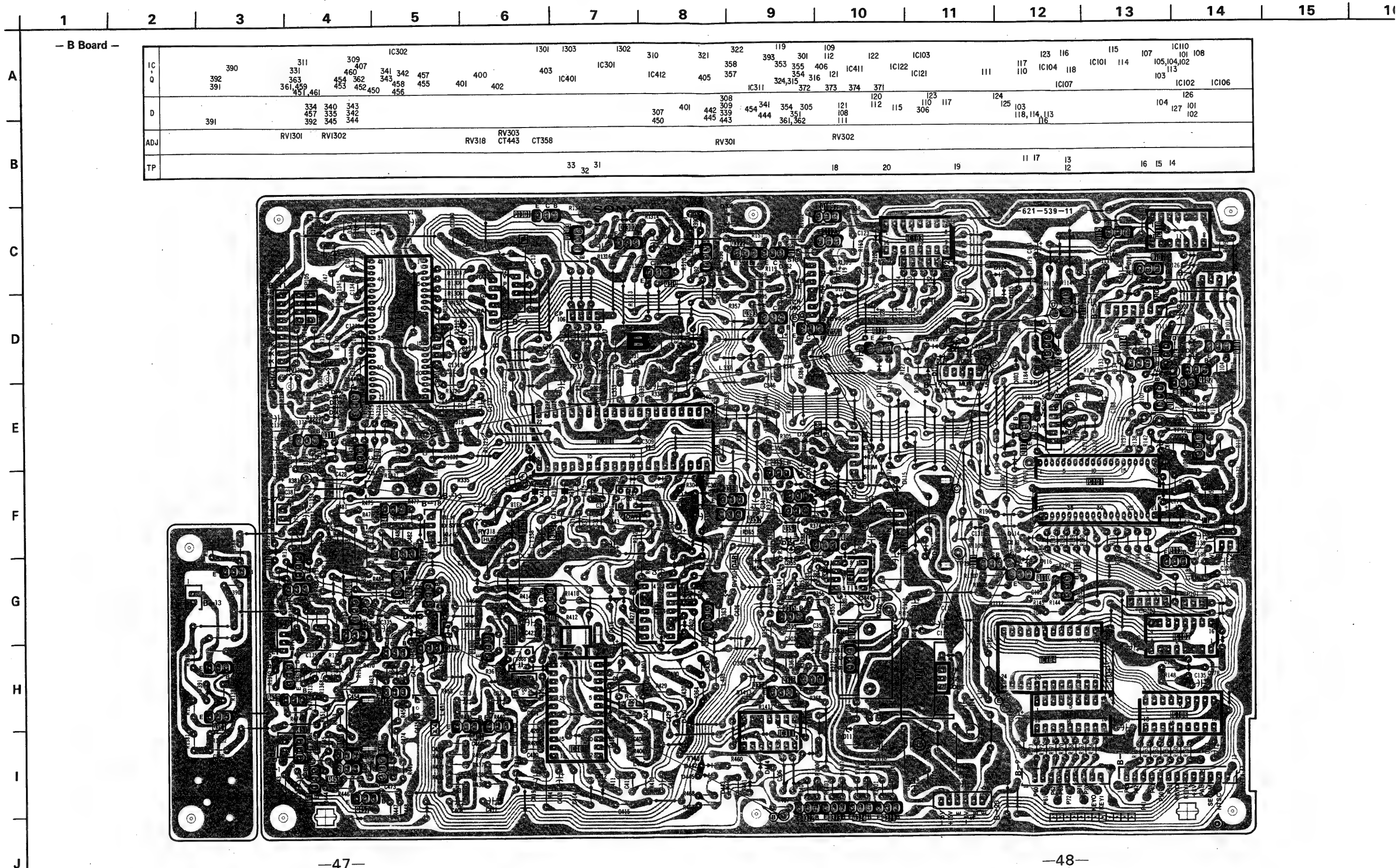
PVM-2730QM  
RM-668

(SECAM/PAL/NTSC DETECT, Y/CHROMA PROCESS,  
AUTOMATIC WHITE BALANCE, VIDEO D/A CONVERT,  
REMOTE CONTROL DECODER, LAST MEMORY, LED DRIVE)

B

B

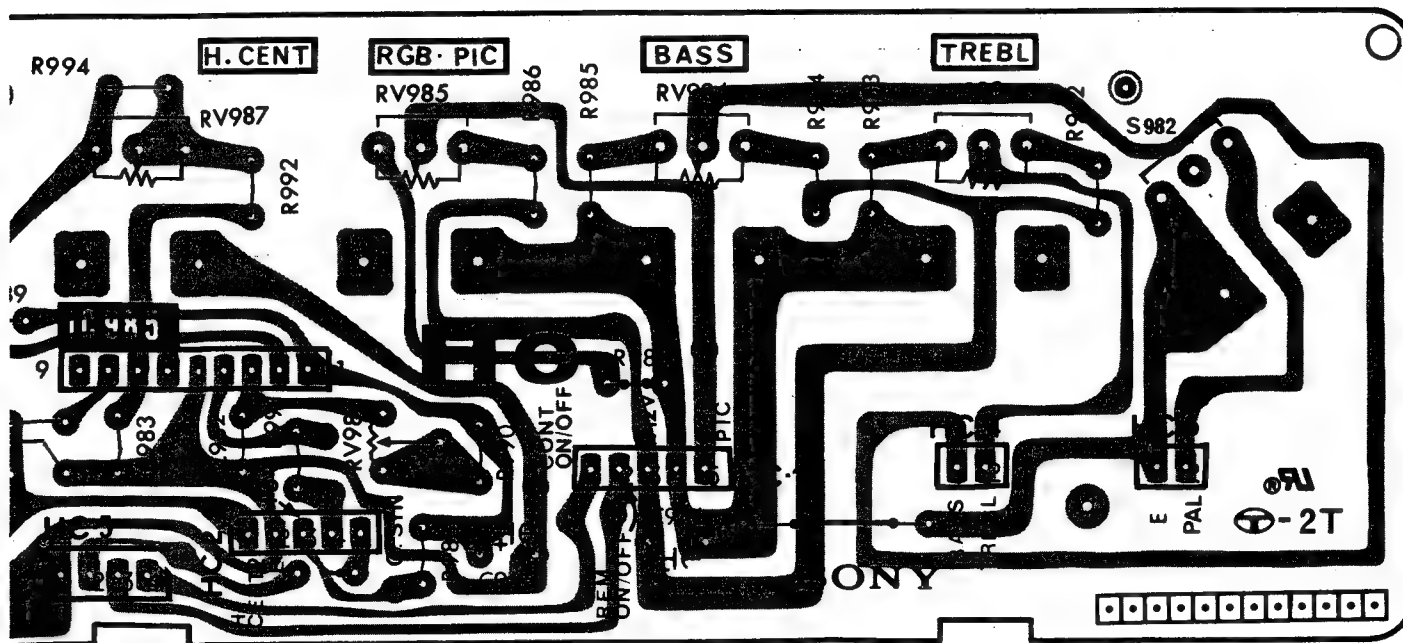
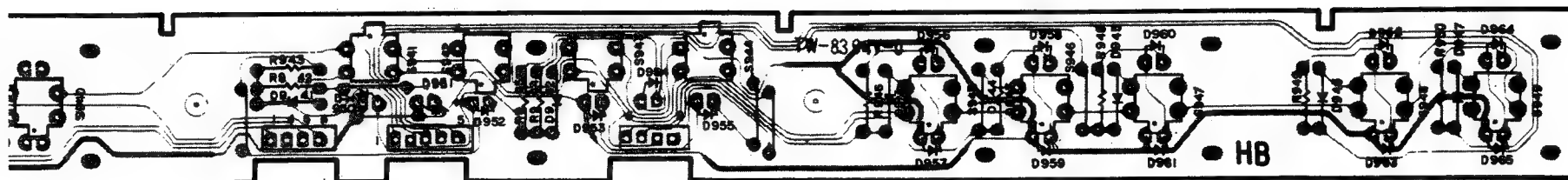
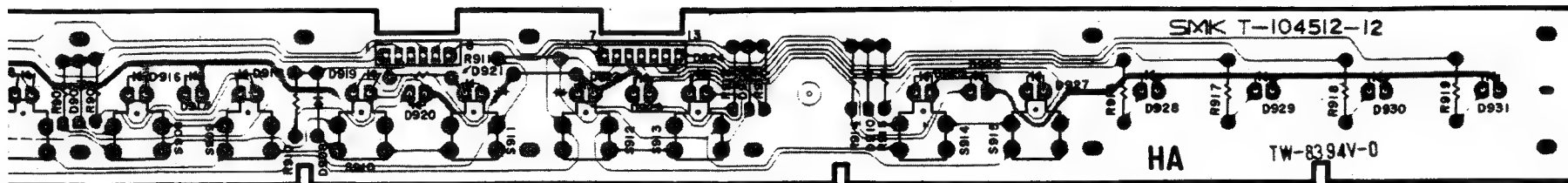
— Conductor Side —



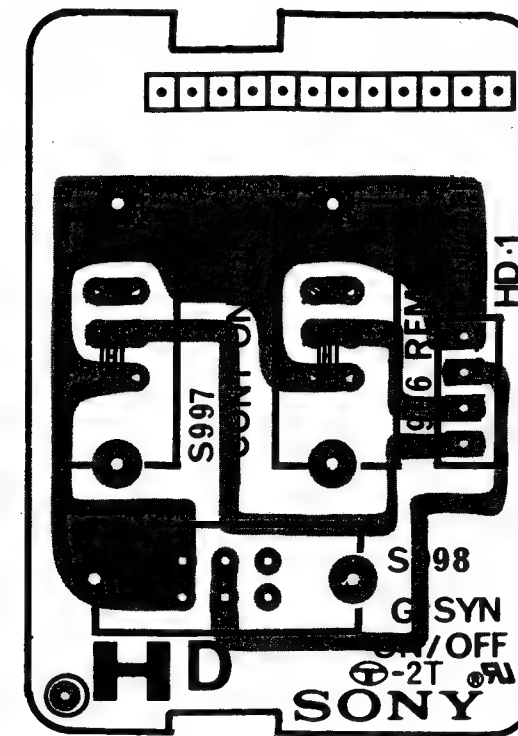




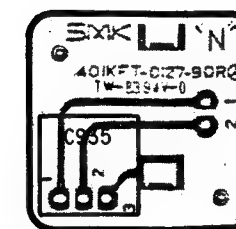


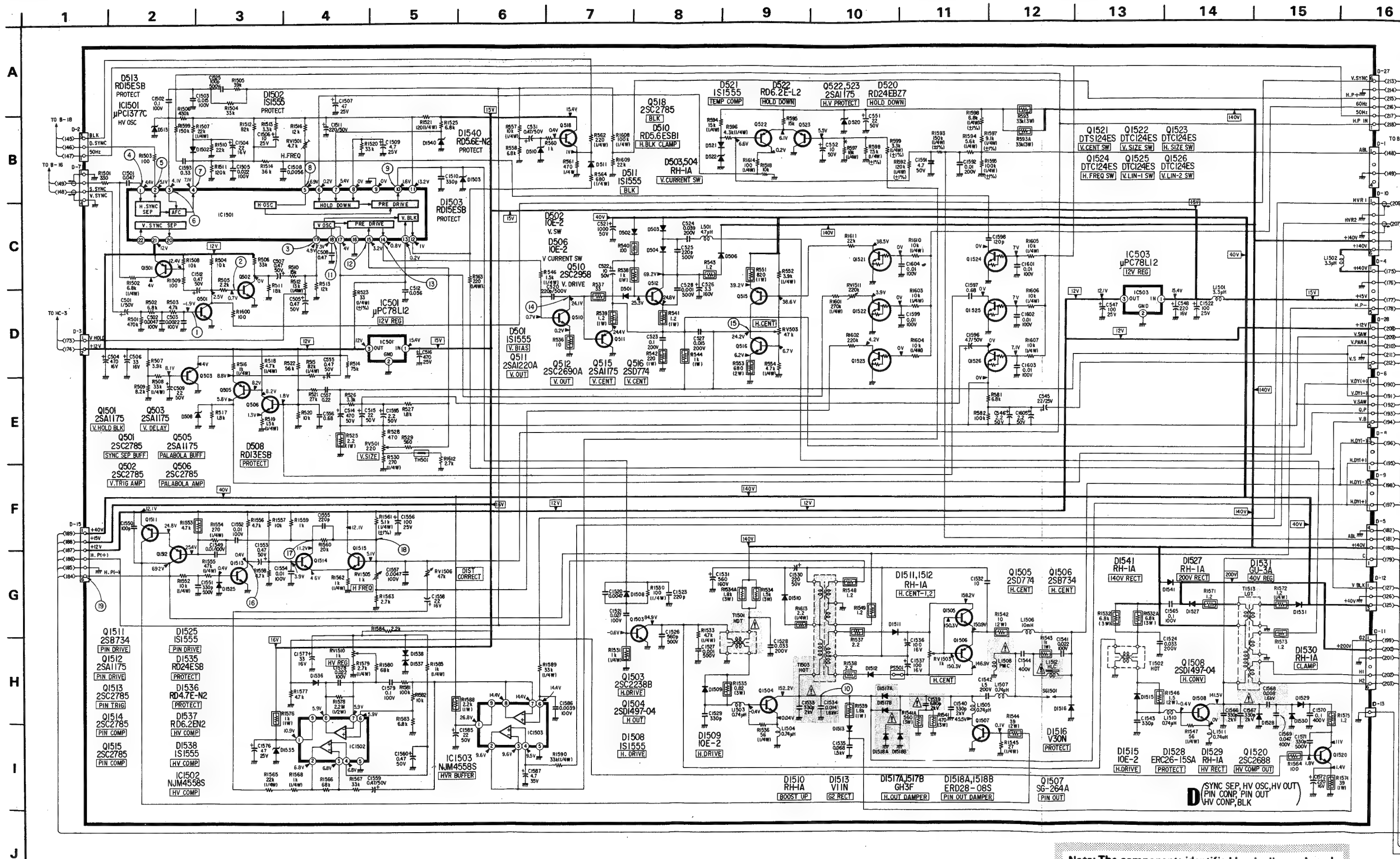


– HD Board –



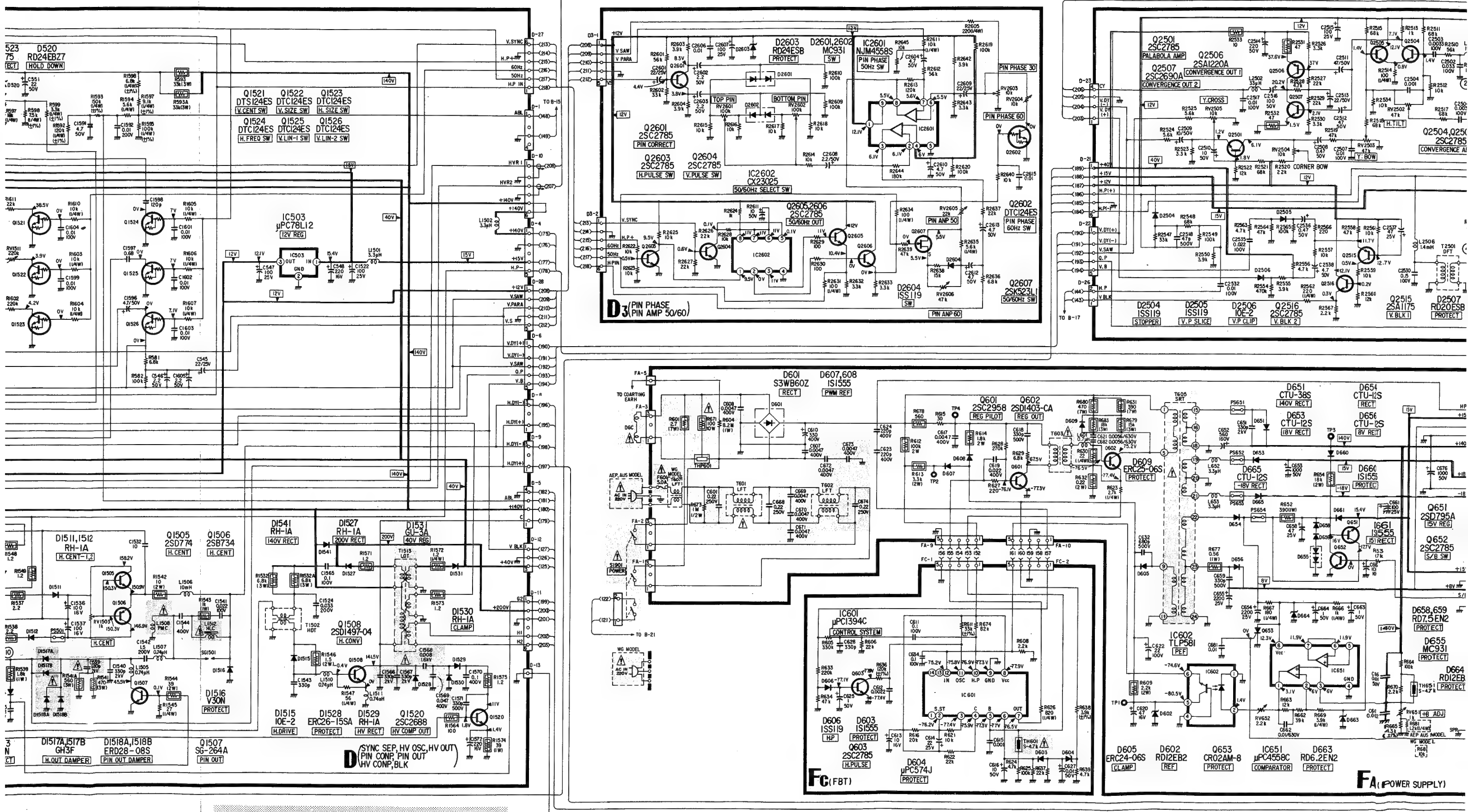
– N Board –





Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26



Note: The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.





**PVM-2730QM**  
RM-668

D

**D**

**C**

**FB**

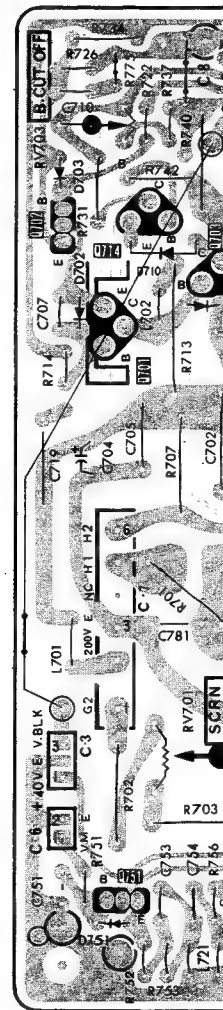
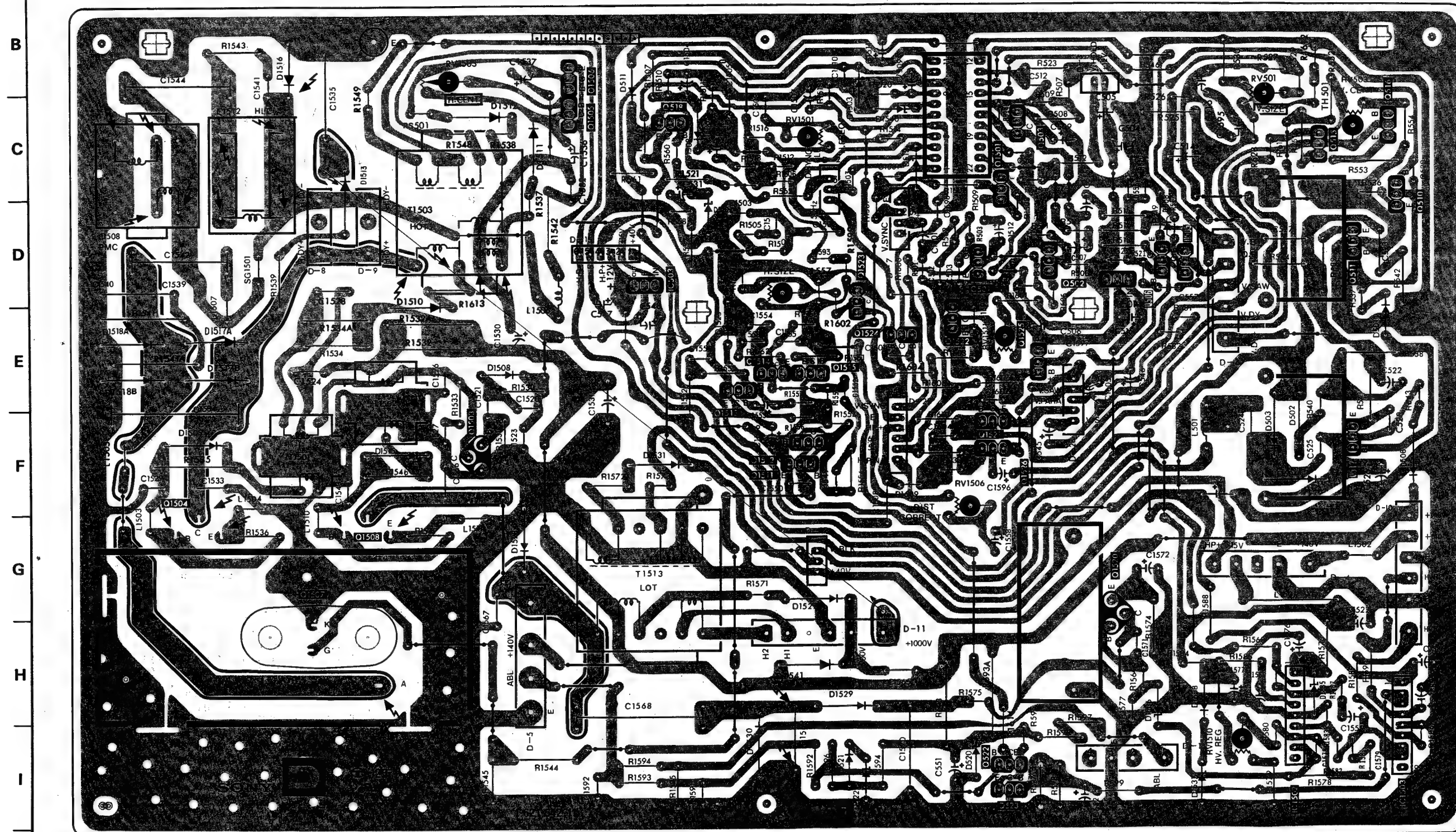
**C**

**FB**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----

**— C Board —**

A	Q, IC	1504 1507 1508 1507 1503 1506 1505 IC503 518 1513 1514 1515 1512 1523 1524 IC501 510 1501 503 1521 522 502 1526 523 1525 IC501 506, 505 515 511 516 510 IC1502 512 IC1503																			Q, IC
	D	1518A 1518B 1509 1517A 1517B 1516 1513 1510 1515 1515 1512 1508 1511 511 1502 510 1525 1530 1527 1541 1503 1529 1540 513 521, 522 520 508 1536 1538 1537 503, 502 504, 1535 501 506																			D
	ADJ	RV1503 RV1505 RV1501 RV1506 RV1511 RV1510 RV1501 RV1503																			ADJ

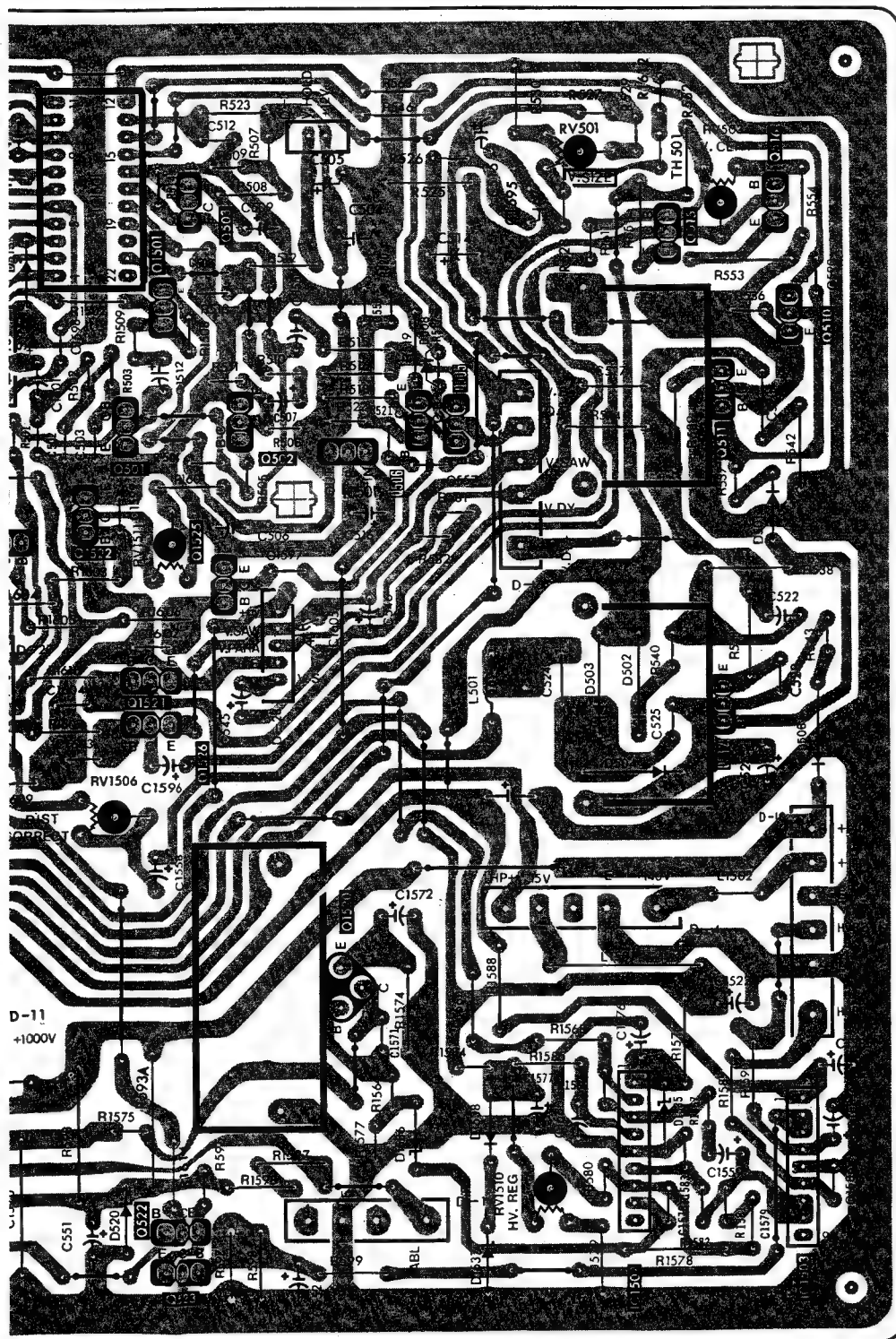


— FB Board —

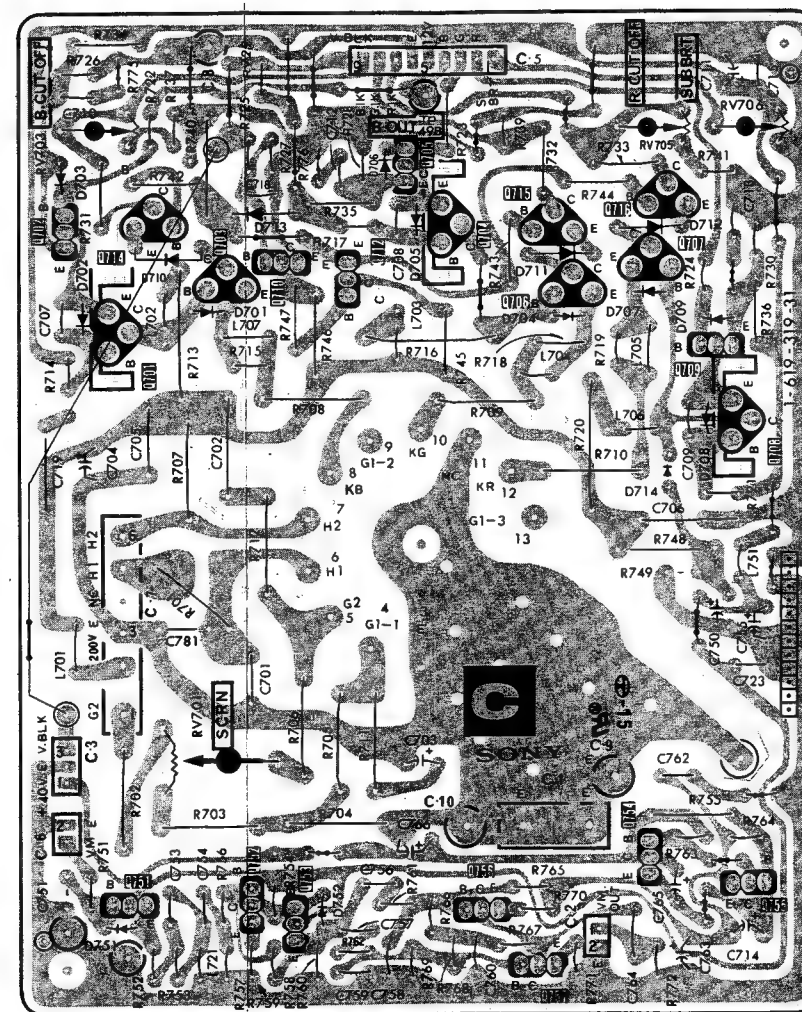


C (RGB OUT)		FB (POWER CONTROL)		C (CONVERGENCE, VP/HP, V BLK, FOURPOLE MODULATION)		FB		D2		FC (FBT)		FC (POWER SUPPLY)		FA (PIN PHASE PIN AMP 50/60)		D3		FA		D3	
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25					

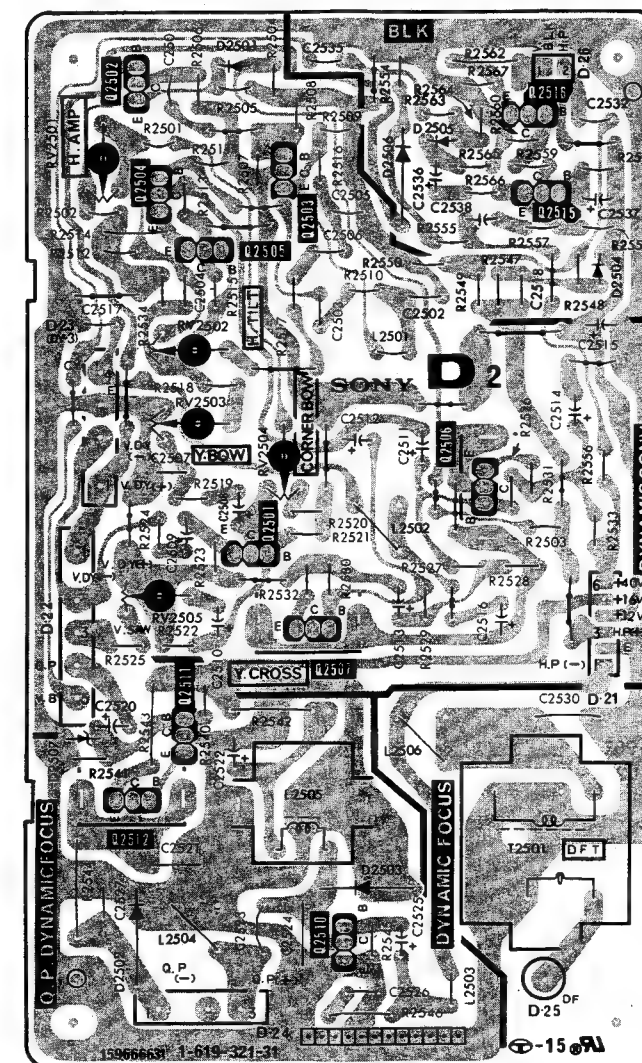
IC501 I522 510	IC503 I521 522 502 I526 525	IC501 I520	506, 505	515 IC1502	511 512	516 IC1503	Q, IC
513	520	508 I536	538 I537	503, 502 504, I535	501	506	D
RV1506	RV1511	RV1510	RV1501	RV1503			ADJ



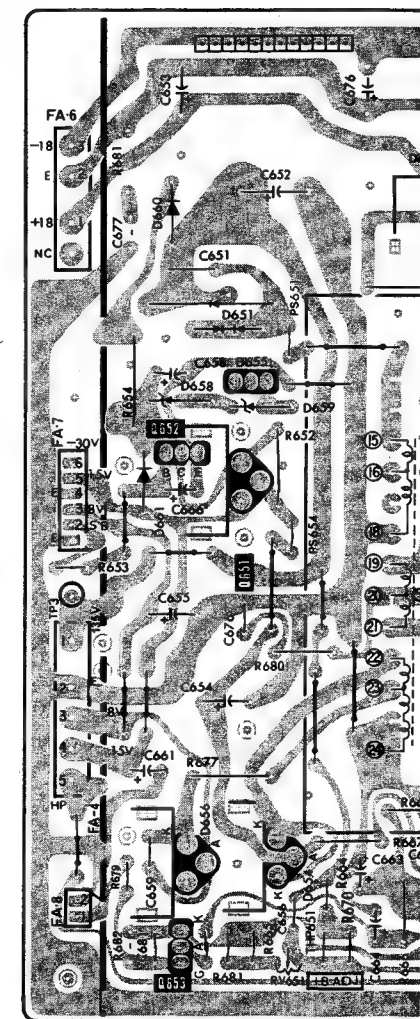
- C Board -



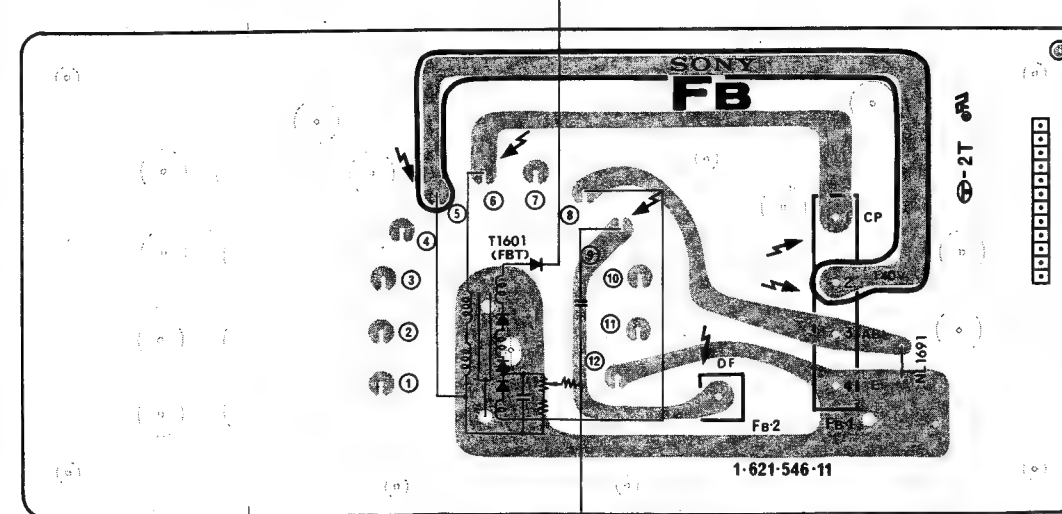
- D2 Board -



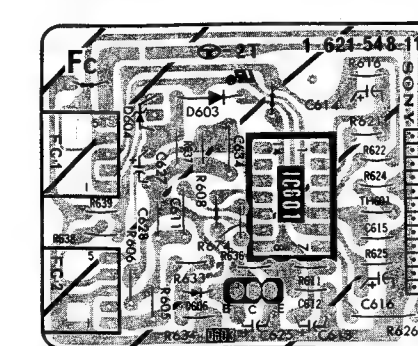
- FA Board -



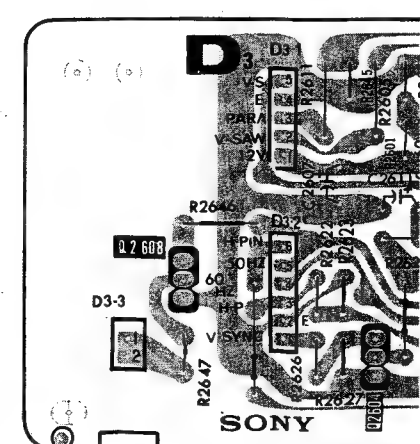
- FB Board -



- FC Board -



- D3 Board -





FC

(POWER SUPPLY)

FA

(PIN PHASE  
PIN AMP 50/60)

D3

FA

D3

FA

D3

20

21

22

23

24

25

26

27

28

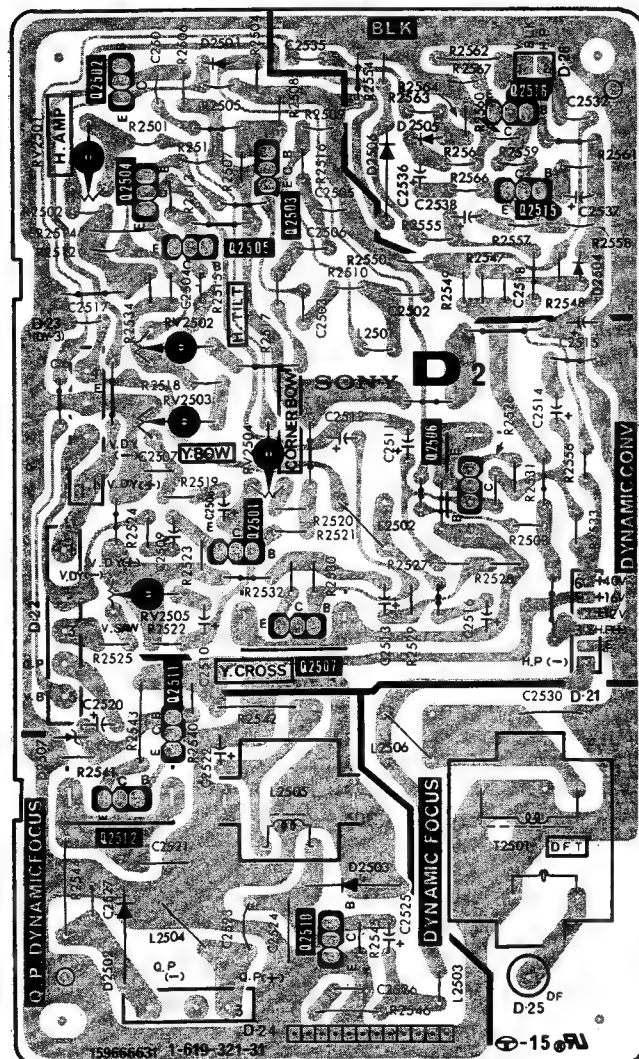
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30

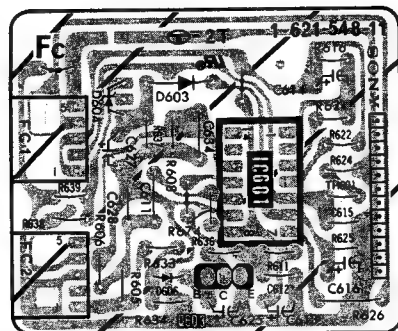
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32

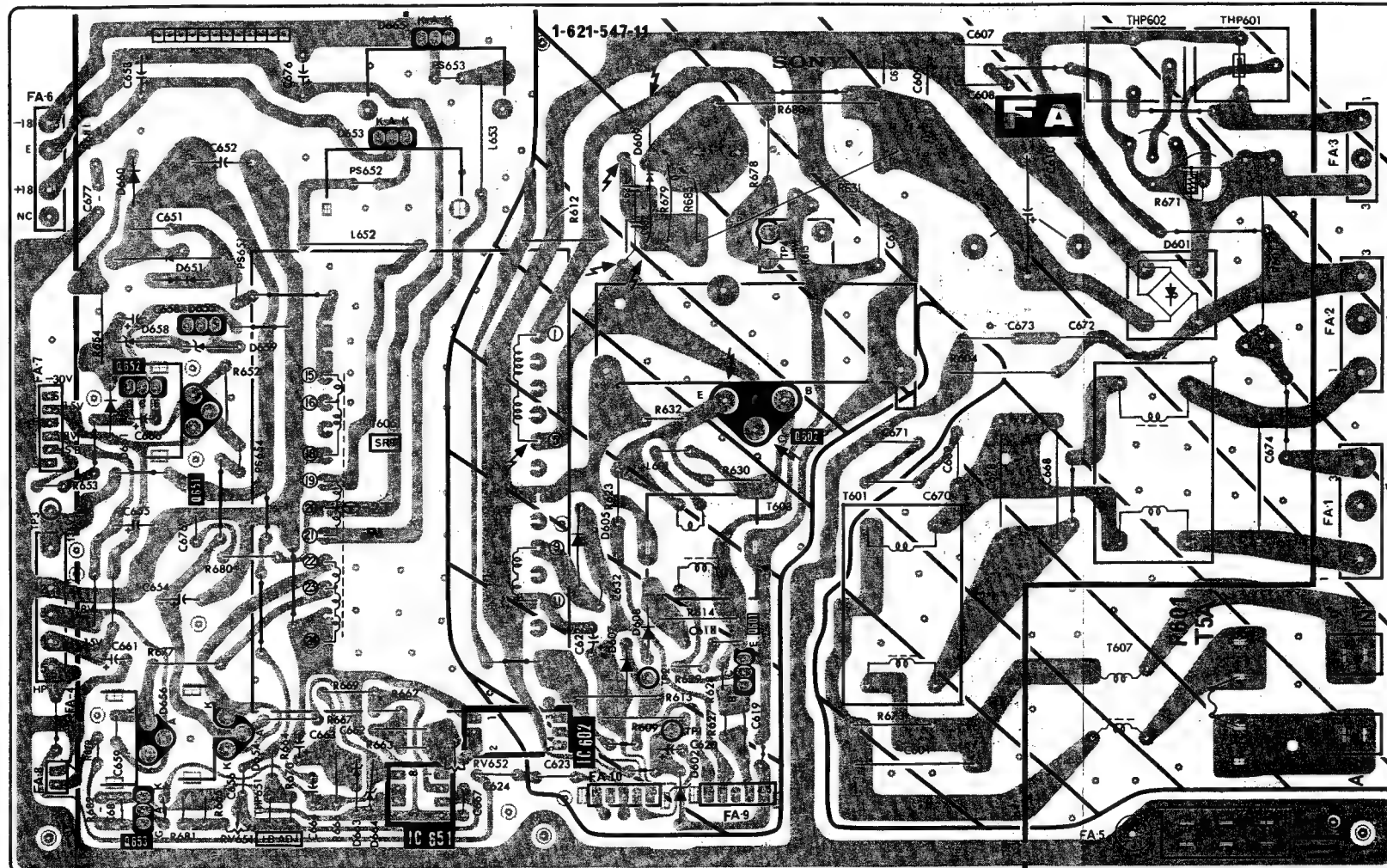
- D2 Board -



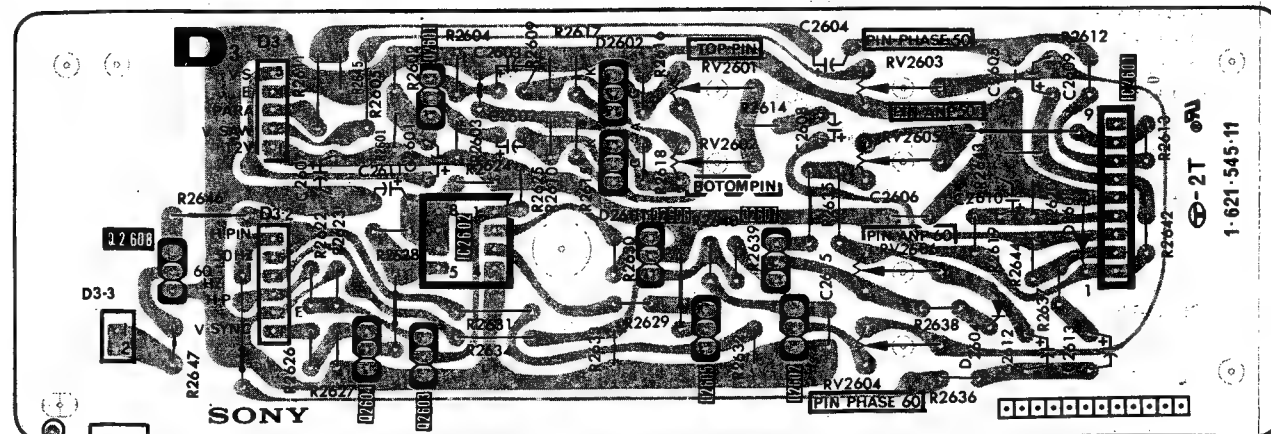
- FC Board -



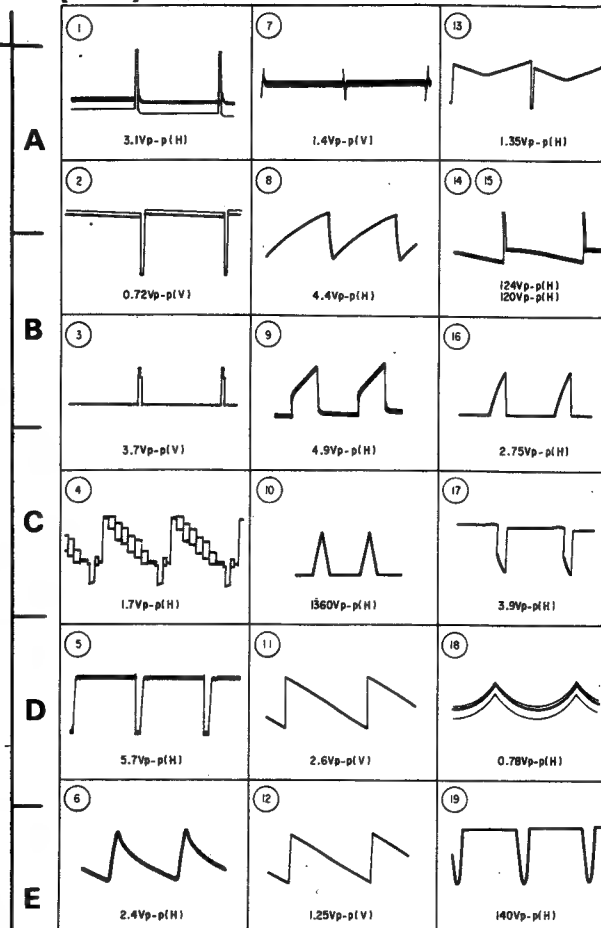
- FA Board -



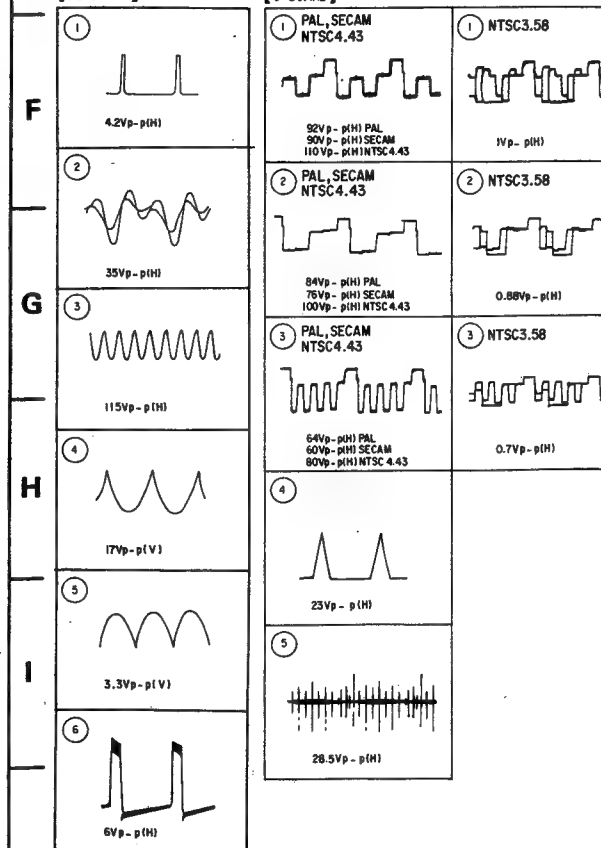
- D3 Board -



[D BOARD]

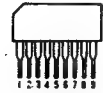


[D2 BOARD]



# 5-5. SEMICONDUCTORS

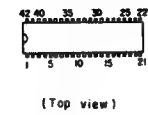
BA236  
LA7910



BX1387



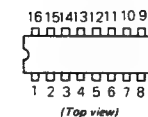
CXA1001AP



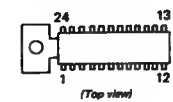
CSA1024S



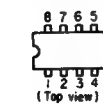
CXK1005P  
SN74LS138N  
TA7630P  
μPD4052BC  
μPD6326C



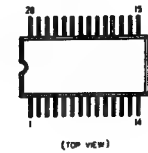
CX175



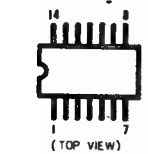
CX23025  
NJM4558D  
NJM4558S  
μPC358C  
μPC4558C



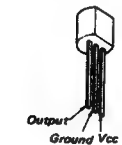
CX7947



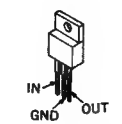
MC14073BCP



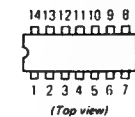
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TA78L012AP



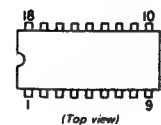
NJM7805A  
NJM7812A  
NJM7812B  
μPC7805H  
μPC7812H



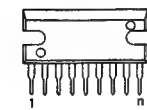
SN74LS09N  
SN74LS86N  
TC4073BP  
μPC1394C  
μPD4066BC  
μPD4073BC



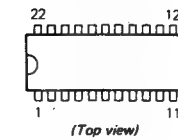
TD62381P



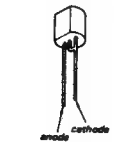
μPC1188H



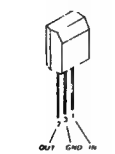
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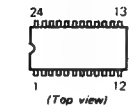
μPC574J



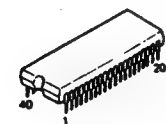
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μPD8243C



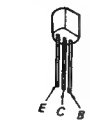
μPD7508HCU-244



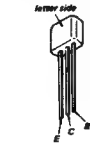
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DTC144ES  
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2SA1115  
2SC1740SET  
2SC1740SQT  
2SC1740SRT  
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2SC2458  
2SC2603  
2SC2603E  
2SC2603F  
2SC2603G



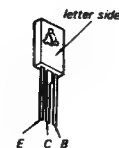
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2SA1175  
2SC2785



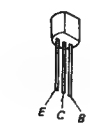
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2SC2611  
2SC2688  
2SC2690A



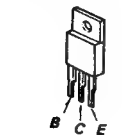
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2SC2958  
2SC2959  
2SD773  
2SD774



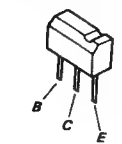
2SC1475  
2SD788



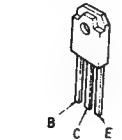
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2SC2334  
2SC2334-L  
2SD795A



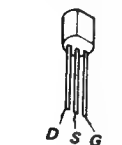
2SC2673



2SD1497-04



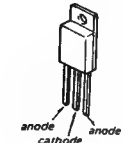
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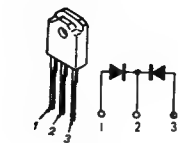
CR02AM-4  
CR02AM-8



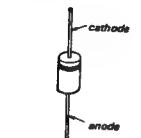
CTU-12S



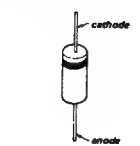
CTU-38S



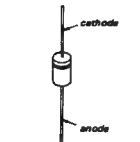
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HZS10E-B2TD  
HZ12E-B2  
RD12E-B2  
RD13E-B  
RD13E-N1  
RD13E-N2  
RD13E-N3  
RD20E-B  
RD20E-N1  
RD20E-N2  
RD20E-N3  
RD24E-BZ7  
RD4.7E-N2  
RD4.7E-N3TN  
RD5.6E-N1TN  
RD5.6E-N2  
RD6.2E-B1  
RD6.2E-B2  
RD6.2E-L2  
RD6.2E-L3TN  
RD6.2E-N2  
RD7.5E-N2  
RGP10G  
1N4148-M  
1N4148-T2  
1SS83  
1S1555  
1S2076TP1  
1S2473T-77  
10E-2



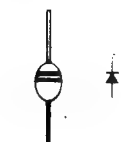
EQA02-11C



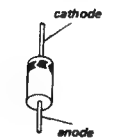
EQA02-11CTP3  
EQB01-06  
ERC14-06S  
ERC25-06S  
RH-1  
RH-1A  
RH-1Z  
SIB01-02



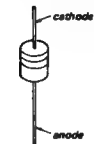
ERC26-15S  
ERC26-15SA  
GH3F  
GU-3A  
V11N  
V19E  
V30N



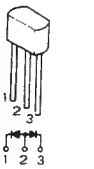
GP08D



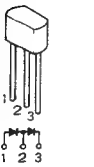
HZS13N  
HZS13NB  
HZS20N  
HZS24N  
HZS5.6NE  
HZS6.8NE  
RK10ES-E  
RD13ES-E  
RD13ES-F  
RD15ES-E  
RD20ES-E  
RD34ES-E  
RD3.6ES-  
RD5.1ES-  
RD5.1ES-  
RD5.6ES-  
RD6.2ES-  
RD6.2ES-  
RD6.8ES-  
RD6.8ES-  
RD8.2ES-  
RD9.1ES-  
1SS119  
1SS133  
1SS133T



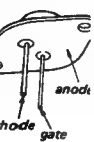
MC911



MC931



SG264A





## SECTION 6 EXPLODED VIEWS

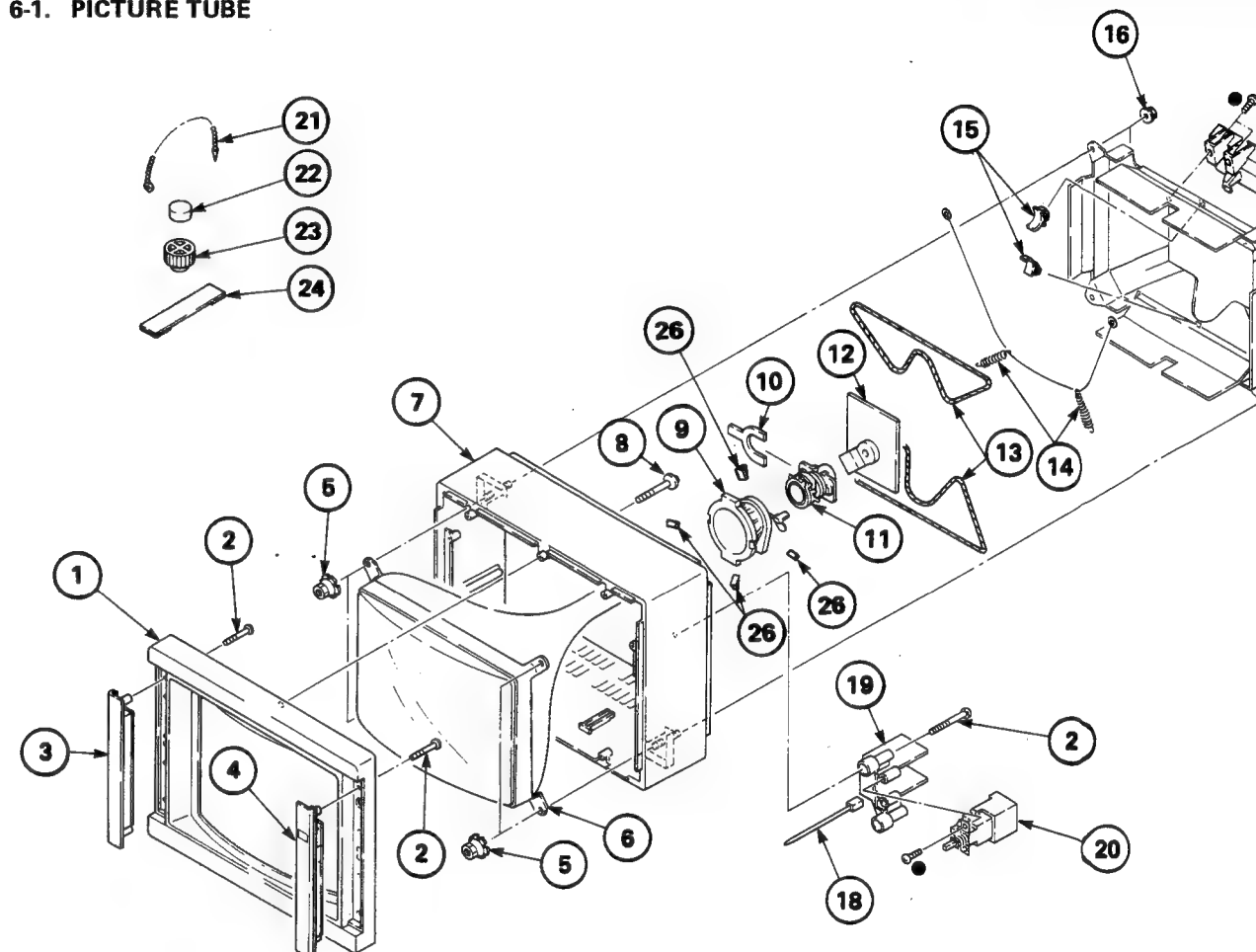
### NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

### 6-1. PICTURE TUBE



No.	Part No.	Description	Remark	No.	Part No.	Description
1	X-4374-191-1	BEZEL ASSY		14	4-303-774-XX	SPRING
2	3-703-083-00	+ BV 3X25		15	*4-371-629-01	STOPPER, WIRE
3	1-464-792-12	KEY BOARD UNIT (A)		16	4-306-034-00	FLANGE NUT, (B) 5MM
4	1-464-793-12	KEY BOARD UNIT (B)		17	$\Delta$ 1-230-712-21	RESISTOR ASSY, HIGH-VOLTAGE
5	4-376-980-01	NUT, SPECIAL, CRT		18	*4-371-182-01	SHAFT
6	$\Delta$ 8-736-652-05	CRT (A64JKJ10X) (AEP, WG ONLY)		19	*4-371-183-01	COVER, MAIN SWITCH
7	$\Delta$ 8-736-654-05	CRT (A64JKJ10X) (AUS ONLY)		20	$\Delta$ 1-554-966-12	SWITCH, PUSH (AC POWER) (1 KEY)
8	X-4374-192-1	CABINET ASSY	8	21	4-308-870-00	CLIP, LEAD WIRE
9	4-319-520-11	SCREW, SPECIAL (+PW4X30)		22	1-452-032-00	MAGNET, DISK; 10MM $\phi$
10	$\Delta$ 1-451-255-22	DEFLECTION YOKE (SY-164)		23	1-452-094-00	MAGNET, ROTATING DISK; 15MM $\phi$
11	1-452-146-21	MAGNET, BMC		24	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE
12	$\Delta$ 1-452-351-22	NECK ASSY, CRT (NA302)		26	3-703-003-00	SPACER, DY
13	*A-1330-789-A	C BOARD, COMPLETE				
	$\Delta$ 1-426-278-21	COIL, DEMAGNETIZATION				

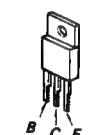
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2SC2959  
2SD773  
2SD774



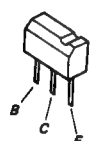
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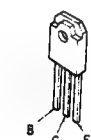
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2SC2334-L  
2SD795A



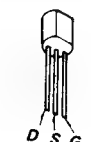
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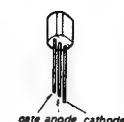
2SD1497-04



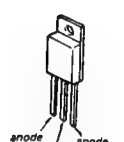
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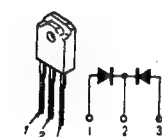
CR02AM-4  
CR02AM-8



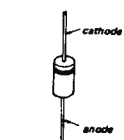
CTU-12S



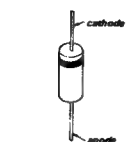
CTU-38S



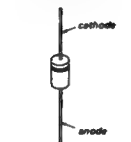
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ERB12-02  
HZS10E-B2TD  
HZ12E-B2  
RD12E-B2  
RD13E-B  
RD13E-N1  
RD13E-N2  
RD13E-N3  
RD20E-B  
RD20E-N1  
RD20E-N2  
RD20E-N3  
RD24E-BZ7  
RD4.7E-N2  
RD4.7E-N3TN  
RD5.6E-N1TN  
RD5.6E-N2  
RD6.2E-B1  
RD6.2E-B2  
RD6.2E-L2  
RD6.2E-L3TN  
RD6.2E-N2  
RD7.5E-N2  
RGP10G  
1N4148-M  
1N4148-T2  
1SS83  
1S1555  
1S2076TP1  
1S2473T-77  
10E-2



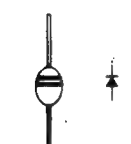
EQA02-11C



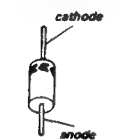
EQA02-11CTP3  
EQB01-06  
ERC14-06S  
ERC25-06S  
RH-1  
RH-1A  
RH-1Z  
SIB01-02



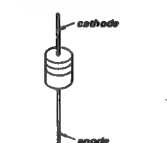
ERC26-15S  
ERC26-15SA  
GH3F  
GU-3A  
V11N  
V19E  
V30N



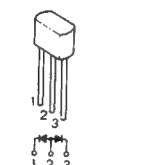
GP08D



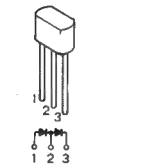
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HZS13NB2  
HZS20N  
HZS24N  
HZS5.6NB1  
HZS6.8NB2TD  
RK10ES-B2  
RD13ES-B  
RD13ES-B2  
RD15ES-B  
RD20ES-B  
RD34ES-B  
RD3.6ES-B1  
RD5.1ES-B  
RD5.1ES-B2  
RD5.6ES-B3  
RD6.2ES-B1  
RD6.2ES-B2  
RD6.8ES-B  
RD6.8ES-B2  
RD8.2ES-B2  
RD9.1ES-B3  
1SS119  
1SS133  
1SS133T



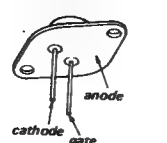
MC911



MC931



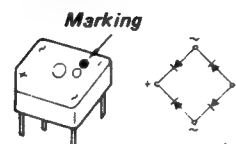
SG264A



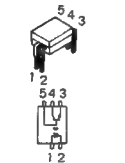
SLR-932A



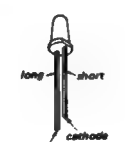
S3WB60Z  
S3WB60ZS



TLP581



TLS263P  
TLY263P



SECTION 6  
EXPLODED VIEWS

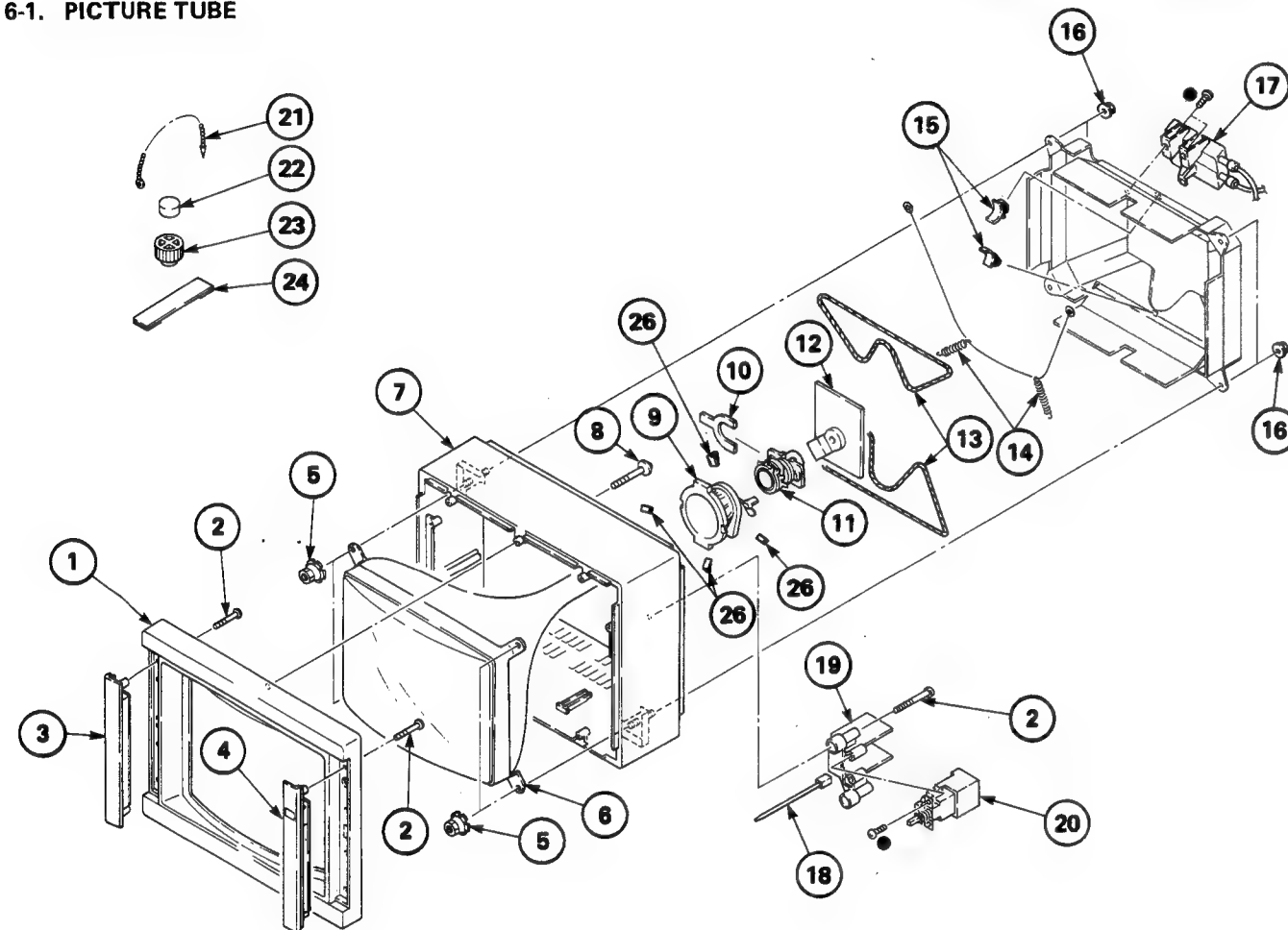
## NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

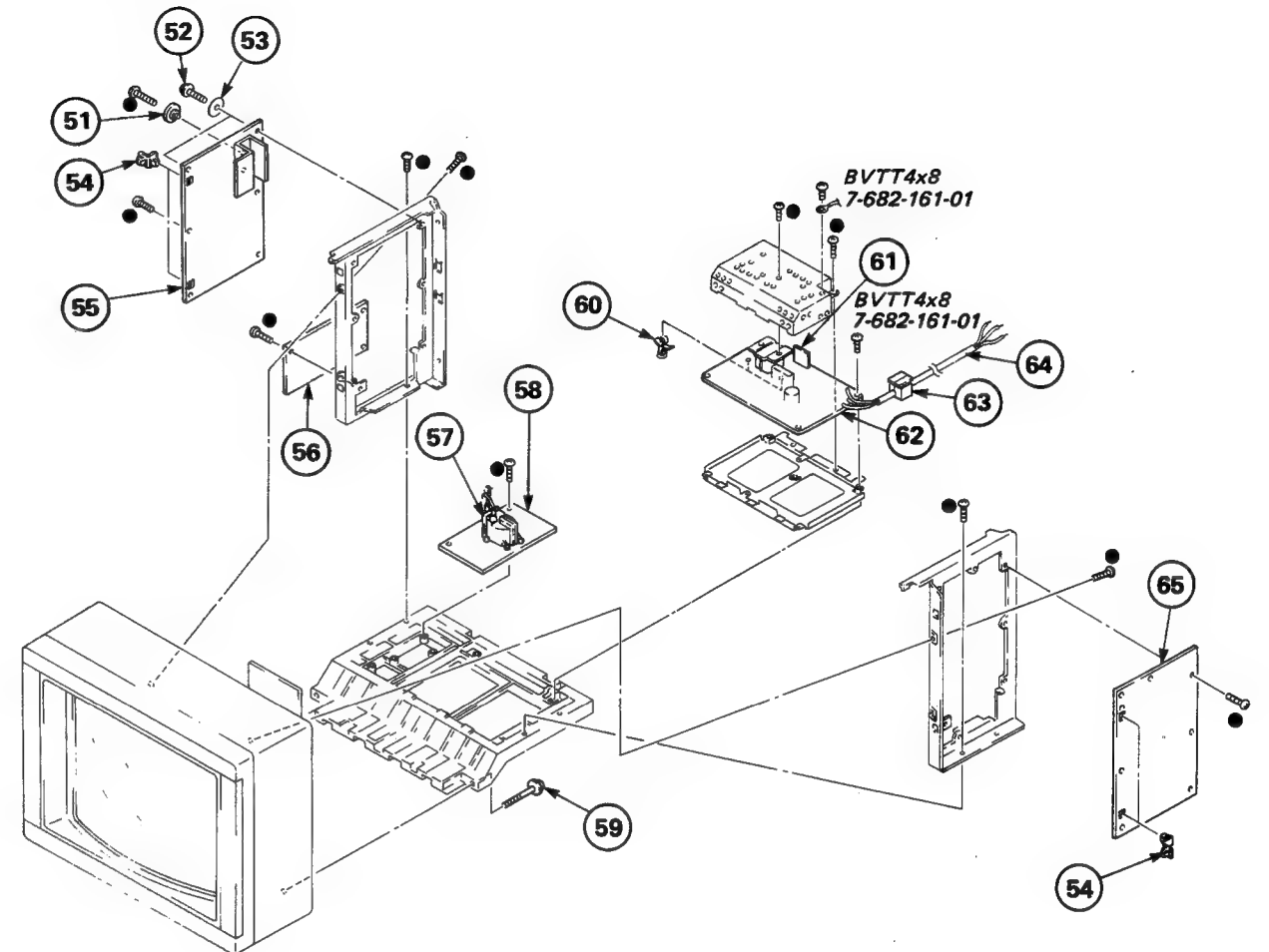
## 6-1. PICTURE TUBE



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4374-191-1	BEZEL ASSY	2	14	4-303-774-XX	SPRING	
2	3-703-083-00	+ BV 3X25		15	*4-371-629-01	STOPPER, WIRE	
3	1-464-792-12	KEY BOARD UNIT (A)		16	4-306-034-00	FLANGE NUT, (8) 5MM	
4	1-464-793-12	KEY BOARD UNIT (B)		17	$\Delta$ 1-230-712-21	RESISTOR ASSY, HIGH-VOLTAGE	
5	4-376-980-01	NUT, SPECIAL, CRT		18	*4-371-182-01	SHAFT	
6	$\Delta$ 8-736-652-05	CRT (A64JKJ10X) (AEP, WG ONLY)		19	*4-371-183-01	COVER, MAIN SWITCH	
	$\Delta$ 8-736-654-05	CRT (A64JKJ10X) (AUS ONLY)		20	$\Delta$ 1-554-966-12	SWITCH, PUSH (AC POWER) (1 KEY)	
7	X-4374-192-1	CABINET ASSY	8	21	4-308-870-00	CLIP, LEAD WIRE	
8	4-319-520-11	SCREW, SPECIAL (+PW4X30)		22	1-452-032-00	MAGNET, DISK; 10MM $\phi$	
9	$\Delta$ 1-451-255-22	DEFLECTION YOKE (SY-164)		23	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM $\phi$	
10	1-452-146-21	MAGNET, BMC		24	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
11	$\Delta$ 1-452-351-22	NECK ASSY, CRT (NA302)		26	3-703-003-00	SPACER, DY	
12	*A-1330-789-A	C BOARD, COMPLETE					
13	$\Delta$ 1-426-278-21	COIL, DEMAGNETIZATION					

## 6-2. CHASSIS

• BVTP3x12 7-685-648-79

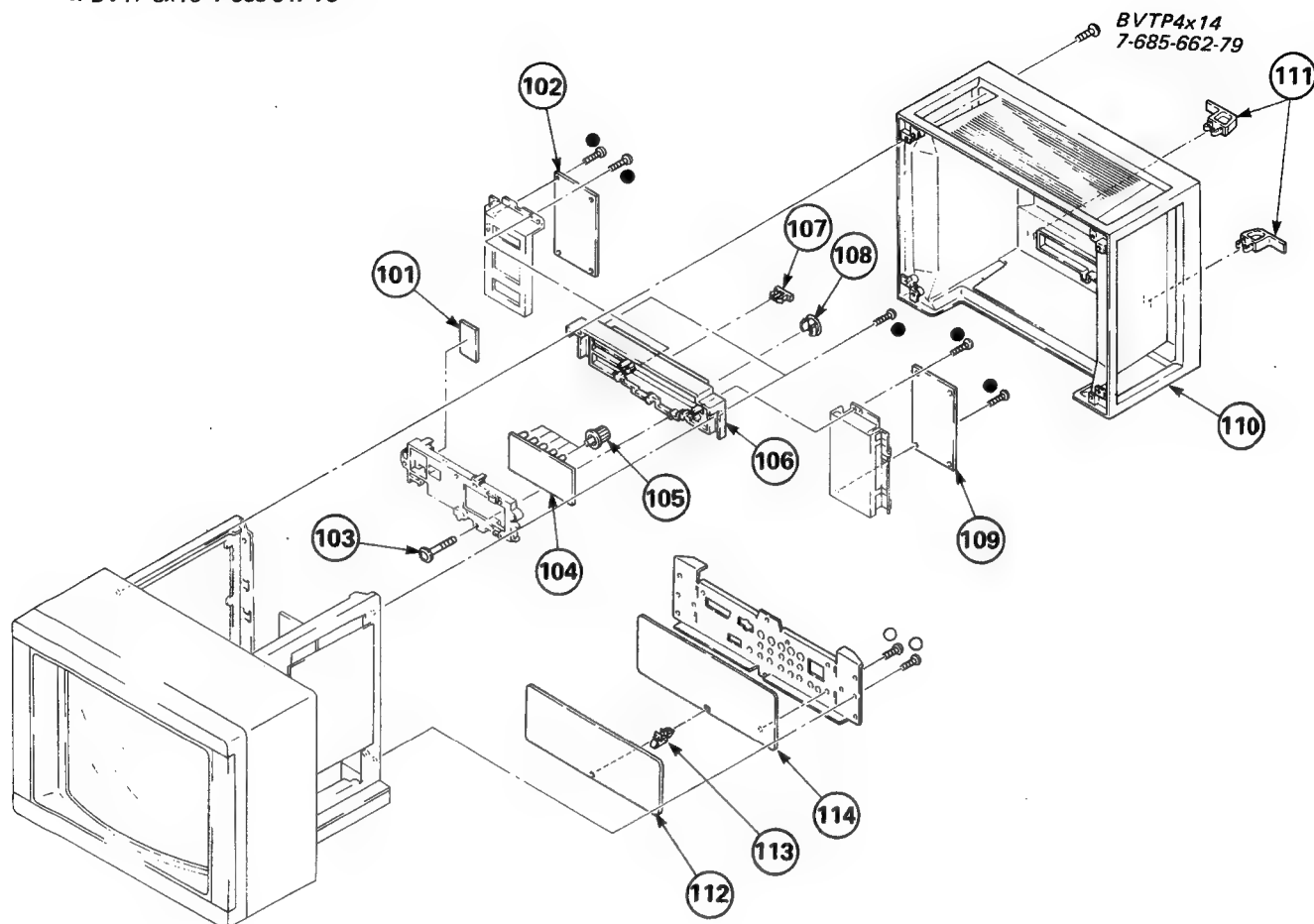


The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	3-703-320-00	BUSHING (A), TRANSISTOR (AEP, AUS ONLY)		60	*3-670-570-11	SPACER, SUPPORT (AEP, AUS ONLY)	
52	4-302-428-00	HEAD, WASHER, TAPPING SCREW		61	*1-621-548-11	FC BOARD	
53	4-383-101-01	WASHER (DIA.14)		62	*A-1245-387-A	FA BOARD, COMPLETE (AEP, AUS ONLY)	61
54	*4-313-732-00	CLIP, HINGE, CIRCUIT BOARD			*A-1245-411-A	FA BOARD, COMPLETE (WG, ONLY)	61
55	*A-1345-699-A	D BOARD, COMPLETE		63	$\Delta$ 4-364-726-01	BUSHING, AC CORD (WG, ONLY)	
56	*A-1340-941-A	D3 BOARD, COMPLETE			$\Delta$ 4-364-745-01	BUSHING, AC CORD (AEP, AUS ONLY)	
57	$\Delta$ 1-439-339-13	TRANSFORMER ASSY, FLYBACK		64	$\Delta$	POWER CORD (WG ONLY)	
58	*1-621-546-11	FB BOARD			$\Delta$ 1-534-820-13	POWER CORD (AEP, AUS ONLY)	
59	4-319-520-11	SCREW, SPECIAL (+PW4X30)		65	*A-1135-442-A	B BOARD, COMPLETE	

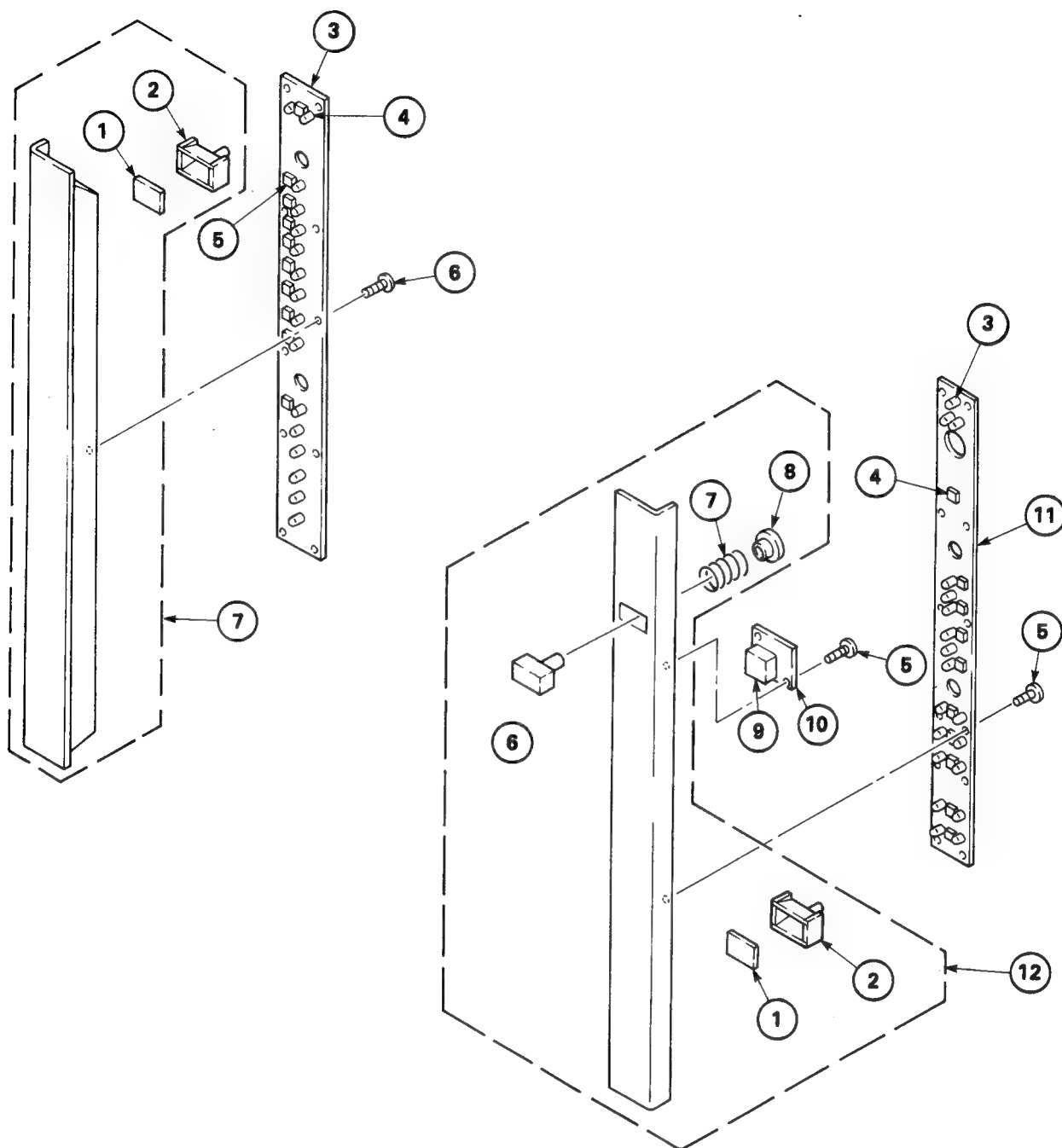
### 6-3. BACK COVER

- : BVTP 3x12 7-685-648-79
- : BVTP 3x10 7-685-647-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	*1-621-541-11	HD BOARD		108	4-371-181-01	CAP	
102	*A-1340-940-A	D2 BOARD, COMPLETE		109	*A-1380-192-A	K BOARD, COMPLETE	
103	4-319-520-11	SCREW, SPECIAL (+PW4X30)		110	X-4374-162-3	COVER ASSY, REAR	111
104	*A-1375-066-A	HC BOARD, COMPLETE		111	4-316-003-21	HOLDER, CORD	
105	4-381-166-01	KNOB (A), CONTROL		112	*A-1270-213-A	QB BOARD, COMPLETE	
106	4-382-005-31	PANEL, CONTROL		113	*3-703-141-00	HOLDER, PCB	
107	4-371-176-01	CAP, SQUARE		114	*A-1270-212-A	QA BOARD, COMPLETE	

# 6-4. KEY BOARD



No.	Part No.	Description
1	9-990-892-01	ILLUMINATOR A
2	9-990-891-01	REFLECTOR A
3	*9-992-247-01	HA BOARD
4	9-990-895-01	SPACER
5	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
6	9-990-894-01	TAPPING SCREW
7	9-992-249-01	FRAME ASSY

Remark	No.	Part No.	Description
	1	9-990-892-01	ILLUMINATOR A
	2	9-990-891-01	REFLECTOR A
	3	9-990-895-01	SPACER
	4	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
	5	9-990-894-01	TAPPING SCREW
	6	9-990-899-01	KEY TOP
1,2	7	9-990-902-01	COIL SPRING
	8	9-990-900-01	STOPPER
	9	8-741-138-70	DETECTOR (BX1387)
	10	*9-990-898-01	N BOARD
	11	*9-992-243-01	HB BOARD
	12	9-992-244-01	FRAME ASSY

1,2,6,7,8

SECTION 7  
ELECTRICAL PARTS LIST

B

## NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

• Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS  
• MF :  $\mu$ F, PF :  $\mu$ F

RESISTORS  
• All resistors are in ohms  
• F : nonflammable

COILS  
• MMH : mH, UH :  $\mu$ H

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*A-1135-442-A	B BOARD, COMPLETE *****		C139	1-123-356-00	ELECT 10MF	20% 16V
		CONNECTOR		C140	1-123-356-00	ELECT 10MF	20% 16V
B1	*1-566-054-11	PIN, CONNECTOR 2P		C141	1-123-330-00	ELECT 22MF	20% 16V
B2	*1-566-057-11	PIN, CONNECTOR 5P		C161	1-123-333-00	ELECT 100MF	20% 25V
B4	*1-566-055-11	PIN, CONNECTOR 3P		C162	1-123-321-00	ELECT 220MF	20% 16V
B5	*1-566-059-11	PIN, CONNECTOR 7P		C167	1-101-004-00	CERAMIC 0.01MF	50V
B6	*1-566-056-11	PIN, CONNECTOR 4P		C168	1-123-356-00	ELECT 10MF	20% 16V
B7	*1-566-058-11	PIN, CONNECTOR 6P		C169	1-123-356-00	ELECT 10MF	20% 25V
B8	*1-566-059-11	PIN, CONNECTOR 7P		C170	1-101-004-00	CERAMIC 0.01MF	50V
B9	*1-566-061-11	PIN, CONNECTOR 9P		C171	1-123-356-00	ELECT 10MF	20% 16V
B10	*1-566-065-11	PIN, CONNECTOR 13P		C173	1-101-004-00	CERAMIC 0.01MF	50V
B11	*1-566-061-11	PIN, CONNECTOR 9P		C174	1-101-004-00	CERAMIC 0.01MF	50V
B13	*1-566-054-11	PIN, CONNECTOR 2P		C175	1-101-006-00	CERAMIC 0.047MF	50V
B14	*1-566-057-11	PIN, CONNECTOR 5P		C177	1-119-354-00	ELECT 330MF	10V
B15	*1-508-766-00	4P PLUG (M)		C178	1-101-004-00	CERAMIC 0.01MF	50V
B16	*1-566-056-11	PIN, CONNECTOR 4P		C179	1-101-006-00	CERAMIC 0.047MF	50V
B17	*1-566-054-11	PIN, CONNECTOR 2P		C180	1-123-307-00	ELECT 100MF	20% 10V
B18	*1-566-055-11	PIN, CONNECTOR 3P		C181	1-123-332-00	ELECT 47MF	20% 16V
B19	*1-566-057-11	PIN, CONNECTOR 5P		C182	1-101-006-00	CERAMIC 0.047MF	50V
B20	*1-566-058-11	PIN, CONNECTOR 6P		C183	1-119-352-00	ELECT 100MF	10V
B21	*1-566-054-11	PIN, CONNECTOR 2P		C185	1-123-307-00	ELECT 100MF	20% 10V
	CAPACITOR			C186	1-123-356-00	ELECT 10MF	20% 16V
C101	1-123-356-00	ELECT 10MF	20% 16V	C187	1-123-330-00	ELECT 22MF	20% 16V
C103	1-102-973-00	CERAMIC 100PF	5% 50V	C301	1-123-333-00	ELECT 100MF	20% 16V
C104	1-123-306-00	ELECT 47MF	20% 10V	C302	1-101-888-00	CERAMIC 68PF	5% 50V
C105	1-136-161-00	FILM 0.047MF	5% 50V	C303	1-123-369-00	ELECT 4.7MF	20% 25V
C106	1-102-963-00	CERAMIC 33PF	5% 50V	C304	1-123-356-00	ELECT 10MF	20% 16V
C107	1-102-963-00	CERAMIC 33PF	5% 50V	C305	1-110-201-00	MYLAR 0.0033MF	5% 50V
C108	1-102-978-00	CERAMIC 220PF	5% 50V	C306	1-101-006-00	CERAMIC 0.047MF	50V
C110	1-123-333-00	ELECT 100MF	20% 25V	C307	1-101-006-00	CERAMIC 0.047MF	50V
C112	1-123-335-00	ELECT 330MF	20% 25V	C308	1-123-381-00	ELECT 2.2MF	20% 50V
C113	1-123-318-00	ELECT 33MF	20% 16V	C309	1-102-946-00	CERAMIC 9PF	0.5PF 50V
C114	1-123-333-00	ELECT 100MF	20% 25V	C310	1-123-356-00	ELECT 10MF	20% 16V
C115	1-123-333-00	ELECT 100MF	20% 16V	C311	1-136-157-00	FILM 0.022MF	5% 50V
C116	1-101-006-00	CERAMIC 0.047MF	50V	C312	1-136-157-00	FILM 0.022MF	5% 50V
C118	1-101-004-00	CERAMIC 0.01MF	50V	C313	1-102-074-00	CERAMIC 0.001MF	10% 50V
C119	1-123-330-00	ELECT 22MF	20% 16V	C314	1-101-006-00	CERAMIC 0.047MF	50V
C120	1-123-330-00	ELECT 22MF	20% 25V	C315	1-101-006-00	CERAMIC 0.047MF	50V
C123	1-101-006-00	CERAMIC 0.047MF	50V	C316	1-136-169-00	FILM 0.22MF	5% 50V
C125	1-123-380-00	ELECT 1MF	20% 50V	C317	1-102-074-00	CERAMIC 0.001MF	10% 50V
C126	1-123-380-00	ELECT 1MF	20% 50V	C322	1-101-006-00	CERAMIC 0.047MF	50V
C127	1-123-380-00	ELECT 1MF	20% 50V	C323	1-124-464-11	ELECT 0.22MF	20% 50V
C128	1-123-380-00	ELECT 1MF	20% 50V	C324	1-124-464-11	ELECT 0.22MF	20% 50V
C131	1-130-475-00	MYLAR 0.0022MF	5% 50V	C325	1-123-333-00	ELECT 100MF	20% 16V
C133	1-123-380-00	ELECT 1MF	20% 50V	C326	1-124-464-11	ELECT 0.22MF	20% 50V
C134	1-123-380-00	ELECT 1MF	20% 50V	C327	1-102-111-00	CERAMIC 270PF	10% 50V
C135	1-123-381-00	ELECT 2.2MF	20% 50V	C330	1-101-006-00	CERAMIC 0.047MF	50V
C136	1-101-006-00	CERAMIC 0.047MF	50V	C331	1-123-380-00	ELECT 1MF	20% 50V
C137	1-123-307-00	ELECT 100MF	20% 10V	C332	1-136-161-00	FILM 0.047MF	5% 50V
C138	1-123-307-00	ELECT 100MF	20% 10V	C333	1-102-959-00	CERAMIC 22PF	5% 50V
				C334	1-123-380-00	ELECT 1MF	20% 50V
				C335	1-123-307-00	ELECT 100MF	20% 10V
				C336	1-123-318-00	ELECT 33MF	20% 16V
				C337	1-102-112-00	CERAMIC 330PF	10% 50V

**B**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C341	1-123-380-00	ELECT 1MF 20%	50V	C1304	1-123-356-00	ELECT 10MF 20%	16V
C346	1-123-380-00	ELECT 1MF 20%	50V	C1305	1-136-161-00	FILM 0.047MF 5%	50V
C347	1-102-111-00	CERAMIC 270PF 10%	50V	C1306	1-123-380-00	ELECT 1MF 20%	50V
C350	1-123-356-00	ELECT 10MF 20%	16V	C1316	1-123-356-00	ELECT 10MF 20%	25V
C351	1-102-074-00	CERAMIC 0.001MF 10%	50V	C1317	1-123-380-00	ELECT 1MF 20%	50V
C352	1-101-361-00	CERAMIC 150PF 5%	50V	C1318	1-123-380-00	ELECT 1MF 20%	50V
C353	1-102-959-00	CERAMIC 22PF 5%	50V	C1319	1-123-380-00	ELECT 1MF 20%	50V
C354	1-123-380-00	ELECT 1MF 20%	50V	C1320	1-123-382-00	ELECT 3.3MF 20%	50V
C355	1-101-005-00	CERAMIC 0.022MF 5%	50V	C1321	1-123-356-00	ELECT 10MF 20%	25V
C360	1-136-153-00	FILM 0.01MF 5%	50V	C1322	1-101-004-00	CERAMIC 0.01MF 50V	
C381	1-102-074-00	CERAMIC 0.001MF 10%	50V	C1323	1-123-356-00	ELECT 10MF 20%	25V
C382	1-123-332-00	ELECT 47MF 20%	16V	C1324	1-123-332-00	ELECT 47MF 20%	16V
C402	1-136-167-00	FILM 0.15MF 5%	50V	C1325	1-101-006-00	CERAMIC 0.047MF 50V	
C404	1-136-165-00	FILM 0.1MF 5%	50V	C1326	1-101-006-00	CERAMIC 0.047MF 50V	
C405	1-102-806-00	CERAMIC 27PF 5%	50V	C1329	1-123-382-00	ELECT 3.3MF 20%	50V
C406	1-101-890-00	CERAMIC 75PF 5%	50V	C1333	1-136-153-00	FILM 0.01MF 5%	50V
C408	1-123-356-00	ELECT 10MF 20%	16V	C1334	1-101-004-00	CERAMIC 0.01MF 50V	
C410	1-123-356-00	ELECT 10MF 20%	50V	C1336	1-110-203-00	MYLAR 0.0047MF 5%	50V
C411	1-136-161-00	FILM 0.047MF 5%	50V	C1338	1-136-161-00	FILM 0.047MF 5%	50V
C412	1-102-119-00	CERAMIC 0.0015MF 10%	50V	C1339	1-136-153-00	FILM 0.01MF 5%	50V
C413	1-123-380-00	ELECT 1MF 20%	50V	C1341	1-110-203-00	MYLAR 0.0047MF 5%	50V
C414	1-136-173-00	FILM 0.47MF 5%	50V	C1343	1-136-161-00	FILM 0.047MF 5%	50V
C415	1-101-005-00	CERAMIC 0.022MF 50V		C1344	1-136-153-00	FILM 0.01MF 5%	50V
C416	1-123-356-00	ELECT 10MF 20%	16V	C1346	1-110-203-00	MYLAR 0.0047MF 5%	50V
C417	1-123-356-00	ELECT 10MF 20%	16V	C1351	1-123-356-00	ELECT 10MF 20%	25V
C418	1-136-161-00	FILM 0.047MF 5%	50V	C1352	1-123-332-00	ELECT 47MF 20%	16V
C419	1-123-380-00	ELECT 1MF 20%	50V	C1353	1-102-973-00	CERAMIC 100PF 5%	50V
C420	1-101-890-00	CERAMIC 75PF 5%	50V	C1354	1-136-157-00	FILM 0.022MF 5%	50V
C421	1-102-806-00	CERAMIC 27PF 5%	50V	C1355	1-123-380-00	ELECT 1MF 20%	50V
C423	1-136-165-00	FILM 0.1MF 5%	50V	C1356	1-136-165-00	FILM 0.1MF 5%	50V
C424	1-123-356-00	ELECT 10MF 20%	16V	C1357	1-123-380-00	ELECT 1MF 20%	50V
C425	1-102-888-00	CERAMIC 150PF 5%	50V	C1358	1-123-369-00	ELECT 4.7MF 20%	50V
C426	1-101-004-00	CERAMIC 0.01MF 50V		C1359	1-102-820-00	CERAMIC 330PF 5%	50V
C427	1-101-006-00	CERAMIC 0.047MF 50V		C1360	1-102-820-00	CERAMIC 330PF 5%	50V
C428	1-102-121-00	CERAMIC 0.0022MF 10%	50V	C1361	1-102-129-00	CERAMIC 0.01MF 10%	50V
C429	1-136-161-00	FILM 0.047MF 5%	50V	C1362	1-130-475-00	MYLAR 0.0022MF 5%	50V
C430	1-102-971-00	CERAMIC 82PF 5%	50V	C1390	1-101-004-00	CERAMIC 0.01MF 50V	
C434	1-102-112-00	CERAMIC 330PF 10%	50V	C1391	1-123-356-00	ELECT 10MF 20%	16V
C452	1-136-169-00	FILM 0.22MF 5%	50V	C1392	1-123-356-00	ELECT 10MF 20%	16V
C453	1-123-333-00	ELECT 100MF 20%	16V	C1393	1-101-004-00	CERAMIC 0.01MF 50V	
C454	1-102-963-00	CERAMIC 33PF 5%	50V	<u>TRIMMER</u>			
C466	1-102-115-00	CERAMIC 560PF 10%	50V	CT358	1-141-181-11	CAP, TRIMMER	
C470	1-123-333-00	ELECT 100MF 20%	16V	CT443	1-141-181-11	CAP, TRIMMER	
C472	1-123-382-00	ELECT 3.3MF 20%	50V	<u>DIODE</u>			
C473	1-101-361-00	CERAMIC 150PF 5%	50V	D101	8-719-109-97	DIODE RD6.8ES-B2	
C474	1-102-662-00	CERAMIC 7PF 0.5PF	50V	D102	8-719-109-97	DIODE RD6.8ES-B2	
C475	1-102-662-00	CERAMIC 7PF 0.5PF	50V	D103	8-719-911-19	DIODE 1SS119	
C476	1-102-662-00	CERAMIC 7PF 0.5PF	50V	D104	8-719-109-68	DIODE RD3.6ES-B1	
C477	1-102-662-00	CERAMIC 7PF 0.5PF	50V	D108	8-719-911-19	DIODE 1SS119	
C481	1-108-614-91	MYLAR 0.001MF 10%	100V	D110	8-719-911-19	DIODE 1SS119	
C482	1-102-820-00	CERAMIC 330PF 5%	50V	D111	8-719-110-08	DIODE RD8.2ES-B2	
C484	1-136-165-00	FILM 0.1MF 5%	50V				
C1301	1-101-004-00	CERAMIC 0.01MF 50V					
C1302	1-124-656-00	ELECT 2.2MF 20%	50V				

Ref.No.	Part No.	Description
D112	8-719-911-19	DIODE 1SS119
D113	8-719-911-19	DIODE 1SS119
D114	8-719-911-19	DIODE 1SS119
D115	8-719-109-85	DIODE RD5.1ES-B2
D116	8-719-109-90	DIODE RD5.6ES-B3
D117	8-719-911-19	DIODE 1SS119
D118	8-719-911-19	DIODE 1SS119
D120	8-719-911-19	DIODE 1SS119
D121	8-719-911-19	DIODE 1SS119
D123	8-719-911-19	DIODE 1SS119
D124	8-719-911-19	DIODE 1SS119
D125	8-719-911-19	DIODE 1SS119
D126	8-719-109-95	DIODE RD6.8ES-B
D127	8-719-109-95	DIODE RD6.8ES-B
D305	8-719-911-19	DIODE 1SS119
D306	8-719-911-19	DIODE 1SS119
D307	8-719-911-19	DIODE 1SS119
D308	8-719-911-19	DIODE 1SS119
D309	8-719-911-19	DIODE 1SS119
D334	8-719-110-15	DIODE RD10ES-B
D335	8-719-911-19	DIODE 1SS119
D339	8-719-911-19	DIODE 1SS119
D340	8-719-911-19	DIODE 1SS119
D341	8-719-911-19	DIODE 1SS119
D342	8-719-110-15	DIODE RD10ES-B
D343	8-719-110-15	DIODE RD10ES-B
D344	8-719-110-15	DIODE RD10ES-B
D345	8-719-911-19	DIODE 1SS119
D351	8-719-911-19	DIODE 1SS119
D354	8-719-911-19	DIODE 1SS119
D361	8-719-911-19	DIODE 1SS119
D362	8-719-911-19	DIODE 1SS119
D391	8-719-911-19	DIODE 1SS119
D392	8-719-911-19	DIODE 1SS119
D401	8-719-911-19	DIODE 1SS119
D442	8-719-911-19	DIODE 1SS119
D443	8-719-911-19	DIODE 1SS119
D444	8-719-911-19	DIODE 1SS119
D445	8-719-911-19	DIODE 1SS119
D450	8-719-911-19	DIODE 1SS119
D454	8-719-911-19	DIODE 1SS119
D457	8-719-911-19	DIODE 1SS119
<u>DELAY LINE</u>		
DL301	1-415-122-31	DELAY LINE, 1H (PAL)
DL401	1-415-380-11	DELAY LINE, Y

IC

IC101	8-759-113-02	IC UPD7508HCU-244
IC102	8-752-321-18	IC CXK1005P
IC103	8-759-102-28	IC UPD6326C
IC104	8-759-182-43	IC UPD8243C
IC106	8-759-207-07	IC TD62381P

Remark	Ref.No.	Part No.	Description	Remark
	IC107	8-759-207-07	IC TD62381P	
	IC110	8-759-140-66	IC UPD4066BC	
	IC121	8-759-171-05	IC UPC7805H	
		*4-363-146-00	HEAT SINK, V.OUT; IC121	
	IC122	8-759-700-06	IC NJM7812B	
		*4-323-833-00	HEAT SINK, PIN OUT; IC122	
	IC301	8-752-030-86	IC CXA1001AP	
	IC302	8-752-030-31	IC CXA1024S	
	IC311	8-759-240-73	IC TC4073BP	
	IC401	8-751-750-00	IC CX175	
	IC411	8-759-135-80	IC UPC358C	
	IC412	8-759-140-66	IC UPD4066BC	
	<u>COIL</u>			
	L101	1-408-424-00	MICRO INDUCTOR 180UH	
	L104	1-408-424-00	MICRO INDUCTOR 180UH	
	L105	1-408-424-00	MICRO INDUCTOR 180UH	
	L161	1-407-364-00	COIL, SPOOK CHOKE 3.3UH	
	L333	1-408-416-00	MICRO INDUCTOR 39UH	
	L337	1-408-160-00	MICRO INDUCTOR 15MMH	
	L405	1-404-496-00	COIL	
	L406	1-408-411-00	MICRO INDUCTOR 15UH	
	L420	1-408-411-00	MICRO INDUCTOR 15UH	
	L421	1-404-496-00	COIL	
	L430	1-408-245-00	MICRO INDUCTOR 22MMH	
	L431	1-408-414-00	MICRO INDUCTOR 27UH	
	L432	1-408-415-00	MICRO INDUCTOR 33UH	
	L435	1-408-408-00	MICRO INDUCTOR 8.2UH	
	L451	1-404-495-00	COIL	
	L452	1-404-495-00	COIL	
	L455	1-408-163-00	MICRO INDUCTOR 5.6MMH	
	<u>IC LINK</u>			
	PS1	1-532-605-00	LINK, IC	
	PS2	1-532-637-00	LINK, IC	
	<u>TRANSISTOR</u>			
	Q101	8-729-117-54	TRANSISTOR 2SA1175	
	Q102	8-729-117-54	TRANSISTOR 2SA1175	
	Q103	8-729-178-54	TRANSISTOR 2SC2785	
	Q104	8-729-178-54	TRANSISTOR 2SC2785	
	Q105	8-729-178-54	TRANSISTOR 2SC2785	
	Q107	8-729-900-36	TRANSISTOR DTC124ES	
	Q108	8-729-178-54	TRANSISTOR 2SC2785	
	Q109	8-729-117-54	TRANSISTOR 2SA1175	
	Q110	8-729-117-54	TRANSISTOR 2SA1175	
	Q111	8-729-103-43	TRANSISTOR 2SB734	
	Q112	8-729-178-54	TRANSISTOR 2SC2785	
	Q113	8-729-178-54	TRANSISTOR 2SC2785	
	Q114	8-729-178-54	TRANSISTOR 2SC2785	
	Q115	8-729-900-36	TRANSISTOR DTC124ES	
	Q116	8-729-117-54	TRANSISTOR 2SA1175	

**B**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q117	8-729-178-54	TRANSISTOR 2SC2785		Q460	8-729-178-54	TRANSISTOR 2SC2785	
Q118	8-729-117-54	TRANSISTOR 2SA1175		Q461	8-729-178-54	TRANSISTOR 2SC2785	
Q119	8-729-117-54	TRANSISTOR 2SA1175		Q1301	8-729-178-54	TRANSISTOR 2SC2785	
Q121	8-729-133-42	TRANSISTOR 2SC2334-L		Q1302	8-729-178-54	TRANSISTOR 2SC2785	
	*4-363-146-00	HEAT SINK, V.OUT; Q121		Q1303	8-729-117-54	TRANSISTOR 2SA1175	
Q122	8-729-117-54	TRANSISTOR 2SA1175		RESISTOR			
Q123	8-729-178-54	TRANSISTOR 2SC2785		R101	1-249-395-11	CARBON 15 5% 1/6W	
Q301	8-729-117-54	TRANSISTOR 2SA1175		R102	1-249-395-11	CARBON 15 5% 1/6W	
Q309	8-729-178-54	TRANSISTOR 2SC2785		R103	1-249-441-11	CARBON 100K 5% 1/6W	
Q310	8-729-117-54	TRANSISTOR 2SA1175		R104	1-249-441-11	CARBON 100K 5% 1/6W	
Q311	8-729-177-32	TRANSISTOR 2SD773		R105	1-247-805-00	CARBON 82 5% 1/6W	
Q315	8-729-178-54	TRANSISTOR 2SC2785		R106	1-249-413-11	CARBON 470 5% 1/6W	
Q316	8-729-178-54	TRANSISTOR 2SC2785		R107	1-249-411-11	CARBON 330 5% 1/6W	
Q321	8-729-178-54	TRANSISTOR 2SC2785		R108	1-249-441-11	CARBON 100K 5% 1/6W	
Q322	8-729-178-54	TRANSISTOR 2SC2785		R109	1-249-433-11	CARBON 22K 5% 1/6W	
Q324	8-729-178-54	TRANSISTOR 2SC2785		R110	1-249-465-11	CARBON 47K 5% 1/4W	
Q331	8-729-178-54	TRANSISTOR 2SC2785		R111	1-249-437-11	CARBON 47K 5% 1/6W	
Q341	8-729-178-54	TRANSISTOR 2SC2785		R114	1-249-437-11	CARBON 47K 5% 1/6W	
Q342	8-729-178-54	TRANSISTOR 2SC2785		R116	1-249-414-11	CARBON 560 5% 1/6W	
Q343	8-729-178-54	TRANSISTOR 2SC2785		R117	1-249-429-11	CARBON 10K 5% 1/6W	
Q353	8-729-178-54	TRANSISTOR 2SC2785		R118	1-249-429-11	CARBON 10K 5% 1/6W	
Q354	8-729-900-36	TRANSISTOR DTC124ES		R119	1-249-429-11	CARBON 10K 5% 1/6W	
Q355	8-729-178-54	TRANSISTOR 2SC2785		R121	1-215-867-00	METAL OXIDE 470 5% 1W F	
Q357	8-729-117-54	TRANSISTOR 2SA1175		R122	1-249-417-11	CARBON 1K 5% 1/6W	
Q358	8-729-900-36	TRANSISTOR DTC124ES		R123	1-216-357-00	METAL OXIDE 4.7 5% 1W F	
Q361	8-729-117-54	TRANSISTOR 2SA1175		R124	1-249-433-11	CARBON 22K 5% 1/6W	
Q362	8-729-117-54	TRANSISTOR 2SA1175		R125	1-249-435-11	CARBON 33K 5% 1/6W	
Q363	8-729-117-54	TRANSISTOR 2SA1175		R126	1-249-431-11	CARBON 15K 5% 1/6W	
Q371	8-729-178-54	TRANSISTOR 2SC2785		R127	1-249-417-11	CARBON 1K 5% 1/6W	
Q372	8-729-178-54	TRANSISTOR 2SC2785		R128	1-249-434-11	CARBON 27K 5% 1/6W	
Q373	8-729-178-54	TRANSISTOR 2SC2785		R129	1-247-717-11	CARBON 2.2K 5% 1/4W	
Q374	8-729-178-54	TRANSISTOR 2SC2785		R130	1-247-706-11	CARBON 330 5% 1/4W	
Q390	8-729-178-54	TRANSISTOR 2SC2785		R131	1-249-409-11	CARBON 220 5% 1/6W	
Q391	8-729-178-54	TRANSISTOR 2SC2785		R132	1-249-409-11	CARBON 220 5% 1/6W	
Q392	8-729-178-54	TRANSISTOR 2SC2785		R133	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q393	8-729-117-54	TRANSISTOR 2SA1175		R134	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q400	8-729-178-54	TRANSISTOR 2SC2785		R135	1-249-437-11	CARBON 47K 5% 1/6W	
Q401	8-729-178-54	TRANSISTOR 2SC2785		R136	1-249-417-11	CARBON 1K 5% 1/6W	
Q402	8-729-178-54	TRANSISTOR 2SC2785		R137	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q403	8-729-117-54	TRANSISTOR 2SA1175		R138	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q405	8-729-178-54	TRANSISTOR 2SC2785		R139	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q406	8-729-117-54	TRANSISTOR 2SA1175		R140	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q407	8-729-178-54	TRANSISTOR 2SC2785		R141	1-247-717-11	CARBON 2.2K 5% 1/4W	
Q450	8-729-117-54	TRANSISTOR 2SA1175		R142	1-249-421-11	CARBON 2.2K 5% 1/6W	
Q451	8-729-178-54	TRANSISTOR 2SC2785		R143	1-249-429-11	CARBON 10K 5% 1/6W	
Q452	8-729-178-54	TRANSISTOR 2SC2785		R144	1-249-429-11	CARBON 10K 5% 1/6W	
Q453	8-729-117-54	TRANSISTOR 2SA1175		R145	1-249-437-11	CARBON 47K 5% 1/6W	
Q454	8-729-117-54	TRANSISTOR 2SA1175		R146	1-249-425-11	CARBON 4.7K 5% 1/6W	
Q455	8-729-178-54	TRANSISTOR 2SC2785		R147	1-249-441-11	CARBON 100K 5% 1/6W	
Q456	8-729-117-54	TRANSISTOR 2SA1175		R148	1-249-434-11	CARBON 27K 5% 1/6W	
Q457	8-729-178-54	TRANSISTOR 2SC2785		R149	1-249-427-11	CARBON 6.8K 5% 1/6W	
Q458	8-729-117-54	TRANSISTOR 2SA1175		R150	1-249-427-11	CARBON 6.8K 5% 1/6W	
Q459	8-729-117-54	TRANSISTOR 2SA1175					



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R151	1-249-423-11	CARBON	3.3K 5% 1/6W	R310	1-247-722-11	CARBON	5.6K 5% 1/4W
R152	1-249-421-11	CARBON	2.2K 5% 1/6W	R311	1-249-439-11	CARBON	68K 5% 1/6W
R153	1-249-421-11	CARBON	2.2K 5% 1/6W	R312	1-249-439-11	CARBON	68K 5% 1/6W
R154	1-249-421-11	CARBON	2.2K 5% 1/6W	R313	1-249-421-11	CARBON	2.2K 5% 1/6W
R155	1-247-717-11	CARBON	2.2K 5% 1/4W	R314	1-249-409-11	CARBON	220 5% 1/6W
R156	1-249-423-11	CARBON	3.3K 5% 1/6W	R315	1-249-433-11	CARBON	22K 5% 1/6W
R157	1-249-433-11	CARBON	22K 5% 1/6W	R316	1-249-435-11	CARBON	33K 5% 1/6W
R158	1-249-417-11	CARBON	1K 5% 1/6W	R317	1-249-421-11	CARBON	2.2K 5% 1/6W
R159	1-249-418-11	CARBON	1.2K 5% 1/6W	R318	1-249-409-11	CARBON	220 5% 1/6W
R160	1-249-397-11	CARBON	22 5% 1/6W	R319	1-249-433-11	CARBON	22K 5% 1/6W
R161	1-249-397-11	CARBON	22 5% 1/6W	R320	1-249-435-11	CARBON	33K 5% 1/6W
R162	1-249-397-11	CARBON	22 5% 1/6W	R321	1-249-435-11	CARBON	33K 5% 1/6W
R163	1-249-397-11	CARBON	22 5% 1/6W	R322	1-249-429-11	CARBON	10K 5% 1/6W
R164	1-249-397-11	CARBON	22 5% 1/6W	R323	1-249-441-11	CARBON	100K 5% 1/6W
R165	1-247-692-11	CARBON	22 5% 1/4W	R324	1-249-441-11	CARBON	100K 5% 1/6W
R166	1-249-397-11	CARBON	22 5% 1/6W	R326	1-249-441-11	CARBON	100K 5% 1/6W
R167	1-249-397-11	CARBON	22 5% 1/6W	R327	1-249-423-11	CARBON	3.3K 5% 1/6W
R168	1-249-397-11	CARBON	22 5% 1/6W	R328	1-249-423-11	CARBON	3.3K 5% 1/6W
R169	1-249-397-11	CARBON	22 5% 1/6W	R329	1-249-423-11	CARBON	3.3K 5% 1/6W
R170	1-249-397-11	CARBON	22 5% 1/6W	R330	1-249-417-11	CARBON	1K 5% 1/6W
R171	1-249-397-11	CARBON	22 5% 1/6W	R331	1-215-493-00	CARBON	1M 5% 1/6W
R172	1-249-397-11	CARBON	22 5% 1/6W	R332	1-215-479-00	CARBON	270K 5% 1/6W
R173	1-249-397-11	CARBON	22 5% 1/6W	R333	1-249-414-11	CARBON	560 5% 1/6W
R174	1-249-429-11	CARBON	10K 5% 1/6W	R334	1-215-473-00	CARBON	150K 5% 1/6W
R175	1-249-429-11	CARBON	10K 5% 1/6W	R335	1-249-413-11	CARBON	470 5% 1/6W
R176	1-247-725-11	CARBON	10K 5% 1/4W	R336	1-249-409-11	CARBON	220 5% 1/6W
R177	1-249-433-11	CARBON	22K 5% 1/6W	R337	1-249-427-11	CARBON	6.8K 5% 1/6W
R178	1-249-433-11	CARBON	22K 5% 1/6W	R338	1-249-421-11	CARBON	2.2K 5% 1/6W
R179	1-249-425-11	CARBON	4.7K 5% 1/6W	R339	1-249-417-11	CARBON	1K 5% 1/6W
R181	1-249-435-11	CARBON	33K 5% 1/6W	R340	1-249-421-11	CARBON	2.2K 5% 1/6W
R182	1-247-849-00	CARBON	5.6K 5% 1/6W	R341	1-249-422-11	CARBON	2.7K 5% 1/6W
R183	1-249-433-11	CARBON	22K 5% 1/6W	R342	1-249-428-11	CARBON	8.2K 5% 1/6W
R184	1-249-435-11	CARBON	33K 5% 1/6W	R343	1-249-433-11	CARBON	22K 5% 1/6W
R185	1-247-713-11	CARBON	1K 5% 1/4W	R345	1-249-439-11	CARBON	68K 5% 1/6W
R186	1-249-417-11	CARBON	1K 5% 1/6W	R346	1-247-849-00	CARBON	5.6K 5% 1/6W
R187	1-249-417-11	CARBON	1K 5% 1/6W	R350	1-249-413-11	CARBON	470 5% 1/6W
R188	1-249-417-11	CARBON	1K 5% 1/6W	R351	1-249-405-11	CARBON	100 5% 1/6W
R189	1-249-417-11	CARBON	1K 5% 1/6W	R352	1-249-433-11	CARBON	22K 5% 1/6W
R190	1-249-417-11	CARBON	1K 5% 1/6W	R353	1-249-420-11	CARBON	1.8K 5% 1/6W
R191	1-249-414-11	CARBON	560 5% 1/6W	R354	1-249-435-11	CARBON	33K 5% 1/6W
R192	1-249-417-11	CARBON	1K 5% 1/6W	R355	1-249-433-11	CARBON	22K 5% 1/6W
R193	1-249-423-11	CARBON	3.3K 5% 1/6W	R356	1-249-437-11	CARBON	47K 5% 1/6W
R194	1-249-423-11	CARBON	3.3K 5% 1/6W	R357	1-249-430-11	CARBON	12K 5% 1/6W
R195	1-249-421-11	CARBON	2.2K 5% 1/6W	R358	1-249-435-11	CARBON	33K 5% 1/6W
R196	1-249-414-11	CARBON	560 5% 1/6W	R359	1-215-473-00	CARBON	150K 5% 1/6W
R197	1-249-421-11	CARBON	2.2K 5% 1/6W	R360	1-247-708-11	CARBON	470 5% 1/4W
R198	1-249-405-11	CARBON	100 5% 1/6W	R361	1-249-417-11	CARBON	1K 5% 1/6W
R199	1-249-417-11	CARBON	1K 5% 1/6W	R362	1-249-429-11	CARBON	10K 5% 1/6W
R303	1-249-469-11	CARBON	100K 5% 1/4W	R363	1-249-417-11	CARBON	1K 5% 1/6W
R304	1-249-436-11	CARBON	39K 5% 1/6W	R364	1-249-412-11	CARBON	390 5% 1/6W
R305	1-215-473-00	CARBON	150K 5% 1/6W	R365	1-247-723-11	CARBON	6.8K 5% 1/4W
R306	1-249-435-11	CARBON	33K 5% 1/6W	R366	1-215-481-00	CARBON	330K 5% 1/6W
R308	1-249-409-11	CARBON	220 5% 1/6W	R367	1-249-437-11	CARBON	47K 5% 1/6W

**B**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R368	1-249-428-11	CARBON	8.2K 5% 1/6W	R435	1-249-417-11	CARBON	1K 5% 1/6W
R370	1-249-419-11	CARBON	1.5K 5% 1/6W	R436	1-249-421-11	CARBON	2.2K 5% 1/6W
R371	1-249-435-11	CARBON	33K 5% 1/6W	R437	1-249-431-11	CARBON	15K 5% 1/6W
R372	1-249-441-11	CARBON	100K 5% 1/6W	R438	1-249-431-11	CARBON	15K 5% 1/6W
R373	1-249-435-11	CARBON	33K 5% 1/6W	R439	1-249-418-11	CARBON	1.2K 5% 1/6W
R374	1-249-435-11	CARBON	33K 5% 1/6W	R440	1-249-417-11	CARBON	1K 5% 1/6W
R375	1-249-423-11	CARBON	3.3K 5% 1/6W	R441	1-249-420-11	CARBON	1.8K 5% 1/6W
R377	1-249-409-11	CARBON	220 5% 1/6W	R442	1-249-421-11	CARBON	2.2K 5% 1/6W
R378	1-249-414-11	CARBON	560 5% 1/6W	R443	1-249-408-11	CARBON	180 5% 1/6W
R379	1-249-429-11	CARBON	10K 5% 1/6W	R444	1-249-439-11	CARBON	68K 5% 1/6W
R380	1-249-437-11	CARBON	47K 5% 1/6W	R445	1-249-431-11	CARBON	15K 5% 1/6W
R381	1-249-440-11	CARBON	82K 5% 1/6W	R446	1-249-417-11	CARBON	1K 5% 1/6W
R382	1-249-438-11	CARBON	56K 5% 1/6W	R447	1-249-414-11	CARBON	560 5% 1/6W
R383	1-215-479-00	CARBON	270K 5% 1/6W	R448	1-249-393-11	CARBON	10 5% 1/6W
R384	1-249-425-11	CARBON	4.7K 5% 1/6W	R449	1-249-418-11	CARBON	1.2K 5% 1/6W
R385	1-249-414-11	CARBON	560 5% 1/6W	R450	1-249-419-11	CARBON	1.5K 5% 1/6W
R386	1-249-429-11	CARBON	10K 5% 1/6W	R451	1-249-420-11	CARBON	1.8K 5% 1/6W
R387	1-249-417-11	CARBON	1K 5% 1/6W	R452	1-249-393-11	CARBON	10 5% 1/6W
R388	1-215-483-00	CARBON	390K 5% 1/6W	R453	1-249-419-11	CARBON	1.5K 5% 1/6W
R389	1-249-433-11	CARBON	22K 5% 1/6W	R454	1-249-419-11	CARBON	1.5K 5% 1/6W
R390	1-249-433-11	CARBON	22K 5% 1/6W	R456	1-249-409-11	CARBON	220 5% 1/6W
R391	1-249-437-11	CARBON	47K 5% 1/6W	R457	1-249-435-11	CARBON	33K 5% 1/6W
R392	1-249-431-11	CARBON	15K 5% 1/6W	R458	1-249-425-11	CARBON	4.7K 5% 1/6W
R393	1-249-435-11	CARBON	33K 5% 1/6W	R460	1-249-436-11	CARBON	39K 5% 1/6W
R394	1-249-429-11	CARBON	10K 5% 1/6W	R461	1-249-431-11	CARBON	15K 5% 1/6W
R395	1-247-895-00	CARBON	470K 5% 1/6W	R462	1-249-421-11	CARBON	2.2K 5% 1/6W
R396	1-249-419-11	CARBON	1.5K 5% 1/6W	R463	1-249-422-11	CARBON	2.7K 5% 1/6W
R398	1-249-420-11	CARBON	1.8K 5% 1/6W	R464	1-249-409-11	CARBON	220 5% 1/6W
R401	1-249-412-11	CARBON	390 5% 1/6W	R465	1-249-435-11	CARBON	33K 5% 1/6W
R402	1-247-717-11	CARBON	2.2K 5% 1/4W	R466	1-247-721-11	CARBON	4.7K 5% 1/4W
R403	1-249-427-11	CARBON	6.8K 5% 1/6W	R467	1-247-866-00	CARBON	30K 5% 1/6W
R404	1-249-429-11	CARBON	10K 5% 1/6W	R468	1-249-429-11	CARBON	10K 5% 1/6W
R406	1-249-412-11	CARBON	390 5% 1/6W	R470	1-249-420-11	CARBON	1.8K 5% 1/6W
R410	1-249-422-11	CARBON	2.7K 5% 1/6W	R471	1-249-425-11	CARBON	4.7K 5% 1/6W
R411	1-215-489-00	CARBON	680K 5% 1/6W	R472	1-249-420-11	CARBON	1.8K 5% 1/6W
R412	1-249-417-11	CARBON	1K 5% 1/6W	R473	1-249-425-11	CARBON	4.7K 5% 1/6W
R413	1-249-425-11	CARBON	4.7K 5% 1/6W	R474	1-249-417-11	CARBON	1K 5% 1/6W
R414	1-249-438-11	CARBON	56K 5% 1/6W	R475	1-249-405-11	CARBON	100 5% 1/6W
R415	1-249-429-11	CARBON	10K 5% 1/6W	R476	1-249-416-11	CARBON	820 5% 1/6W
R418	1-247-720-11	CARBON	3.9K 5% 1/4W	R477	1-249-413-11	CARBON	470 5% 1/6W
R419	1-249-429-11	CARBON	10K 5% 1/6W	R478	1-249-421-11	CARBON	2.2K 5% 1/6W
R420	1-249-412-11	CARBON	390 5% 1/6W	R479	1-249-421-11	CARBON	2.2K 5% 1/6W
R421	1-249-438-11	CARBON	56K 5% 1/6W	R480	1-249-429-11	CARBON	10K 5% 1/6W
R422	1-249-427-11	CARBON	6.8K 5% 1/6W	R481	1-249-429-11	CARBON	10K 5% 1/6W
R425	1-249-408-11	CARBON	180 5% 1/6W	R482	1-249-421-11	CARBON	2.2K 5% 1/6W
R426	1-249-435-11	CARBON	33K 5% 1/6W	R483	1-249-421-11	CARBON	2.2K 5% 1/6W
R427	1-249-423-11	CARBON	3.3K 5% 1/6W	R484	1-249-433-11	CARBON	22K 5% 1/6W
R429	1-249-429-11	CARBON	10K 5% 1/6W	R485	1-249-417-11	CARBON	1K 5% 1/6W
R430	1-249-423-11	CARBON	3.3K 5% 1/6W	R486	1-249-435-11	CARBON	33K 5% 1/6W
R431	1-249-425-11	CARBON	4.7K 5% 1/6W	R487	1-249-435-11	CARBON	33K 5% 1/6W
R432	1-249-428-11	CARBON	8.2K 5% 1/6W	R488	1-249-435-11	CARBON	33K 5% 1/6W
R433	1-249-428-11	CARBON	8.2K 5% 1/6W	R1100	1-249-405-11	CARBON	100 5% 1/6W
R434	1-249-418-11	CARBON	1.2K 5% 1/6W	R1101	1-249-437-11	CARBON	47K 5% 1/6W

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R1102	1-249-429-11	CARBON	10K 5% 1/6W	R1366	1-249-422-11	CARBON	2.7K 5% 1/6W
R1105	1-249-431-11	CARBON	15K 5% 1/6W	R1367	1-202-730-00	SO_ID	8.2M 10% 1/2W
R1106	1-249-399-11	CARBON	33 5% 1/6W	R1368	1-249-411-11	CARBON	330 5% 1/6W
R1107	1-249-437-11	CARBON	47K 5% 1/6W	R1369	1-249-413-11	CARBON	470 5% 1/6W
R1108	1-249-405-11	CARBON	100 5% 1/6W	R1370	1-249-409-11	CARBON	220 5% 1/6W
R1109	1-249-429-11	CARBON	10K 5% 1/6W	R1371	1-249-413-11	CARBON	470 5% 1/6W
R1110	1-249-430-11	CARBON	12K 5% 1/6W	R1375	1-249-425-11	CARBON	4.7K 5% 1/6W
R1111	1-249-437-11	CARBON	47K 5% 1/6W	R1376	1-215-479-00	CARBON	270K 5% 1/6W
R1112	1-249-441-11	CARBON	100K 5% 1/6W	R1377	1-249-434-11	CARBON	27K 5% 1/6W
R1113	1-249-409-11	CARBON	220 5% 1/6W	R1378	1-249-410-11	CARBON	270 5% 1/6W
R1114	1-249-393-11	CARBON	10 5% 1/6W	R1379	1-249-405-11	CARBON	100 5% 1/6W
R1115	1-249-425-11	CARBON	4.7K 5% 1/6W	R1381	1-249-434-11	CARBON	27K 5% 1/6W
R1304	1-247-704-11	CARBON	220 5% 1/4W	R1382	1-249-424-11	CARBON	3.9K 5% 1/6W
R1305	1-247-704-11	CARBON	220 5% 1/4W	R1383	1-249-419-11	CARBON	1.5K 5% 1/6W
R1306	1-247-704-11	CARBON	220 5% 1/4W	R1384	1-249-411-11	CARBON	330 5% 1/6W
R1307	1-247-704-11	CARBON	220 5% 1/4W	R1385	1-249-393-11	CARBON	10 5% 1/6W
R1308	1-249-429-11	CARBON	10K 5% 1/6W	R1386	1-249-421-11	CARBON	2.2K 5% 1/6W
R1309	1-247-704-11	CARBON	220 5% 1/4W	R1388	1-249-425-11	CARBON	4.7K 5% 1/6W
R1310	1-249-431-11	CARBON	15K 5% 1/6W	R1389	1-249-429-11	CARBON	10K 5% 1/6W
R1311	1-249-409-11	CARBON	220 5% 1/6W	R1390	1-249-421-11	CARBON	2.2K 5% 1/6W
R1312	1-249-440-11	CARBON	82K 5% 1/6W	R1401	1-249-433-11	CARBON	22K 5% 1/6W
R1313	1-247-725-11	CARBON	10K 5% 1/4W	R1402	1-249-433-11	CARBON	22K 5% 1/6W
R1314	1-249-429-11	CARBON	10K 5% 1/6W	R1403	1-249-433-11	CARBON	22K 5% 1/6W
R1315	1-249-435-11	CARBON	33K 5% 1/6W	R1404	1-249-433-11	CARBON	22K 5% 1/6W
R1316	1-249-435-11	CARBON	33K 5% 1/6W	R1405	1-249-437-11	CARBON	47K 5% 1/6W
R1317	1-249-417-11	CARBON	1K 5% 1/6W	R1406	1-249-437-11	CARBON	47K 5% 1/6W
R1318	1-249-417-11	CARBON	1K 5% 1/6W	R1407	1-249-437-11	CARBON	47K 5% 1/6W
R1319	1-249-417-11	CARBON	1K 5% 1/6W	R1408	1-249-437-11	CARBON	47K 5% 1/6W
R1320	1-249-409-11	CARBON	220 5% 1/6W	R1409	1-247-704-11	CARBON	220 5% 1/4W
R1322	1-249-433-11	CARBON	22K 5% 1/6W	R1410	1-249-421-11	CARBON	2.2K 5% 1/6W
R1323	1-249-429-11	CARBON	10K 5% 1/6W	R1411	1-247-725-11	CARBON	10K 5% 1/4W
R1324	1-249-435-11	CARBON	33K 5% 1/6W	R1412	1-249-429-11	CARBON	10K 5% 1/6W
R1325	1-249-409-11	CARBON	220 5% 1/6W	R1413	1-249-421-11	CARBON	2.2K 5% 1/6W
R1326	1-249-409-11	CARBON	220 5% 1/6W	VARIABLE RESISTOR			
R1327	1-215-493-00	CARBON	1M 5% 1/6W	RV301	1-230-626-41	RES, ADJ, CARBON	470
R1328	1-249-417-11	CARBON	1K 5% 1/6W	RV302	1-230-631-11	RES, ADJ, CARBON	22K
R1329	1-247-895-00	CARBON	470K 5% 1/6W	RV303	1-230-630-11	RES, ADJ, CARBON	10K
R1330	1-249-417-11	CARBON	1K 5% 1/6W	RV318	1-230-271-00	RES, ADJ, CARBON	4.7K
R1331	1-247-849-00	CARBON	5.6K 5% 1/6W	RV1301	1-230-628-11	RES, ADJ, CARBON	2.2K
R1332	1-249-437-11	CARBON	47K 5% 1/6W	RV1302	1-230-628-11	RES, ADJ, CARBON	2.2K
R1333	1-249-418-11	CARBON	1.2K 5% 1/6W	TRANSFORMER			
R1334	1-249-429-11	CARBON	10K 5% 1/6W	T301	1-404-524-11	DAT	
R1335	1-249-409-11	CARBON	220 5% 1/6W	T401	1-404-584-11	COIL	
R1337	1-249-405-11	CARBON	100 5% 1/6W	CRYSTAL			
R1339	1-249-414-11	CARBON	560 5% 1/6W	X101	1-567-192-11	OSCILLATOR, CERAMIC	
R1340	1-249-409-11	CARBON	220 5% 1/6W	X358	1-567-505-11	OSCILLATOR, CRYSTAL	
R1341	1-249-437-11	CARBON	47K 5% 1/6W	X443	1-567-504-11	OSCILLATOR, CRYSTAL	
R1342	1-249-405-11	CARBON	100 5% 1/6W				
R1344	1-215-424-00	CARBON	1.3K 5% 1/6W				
R1345	1-249-409-11	CARBON	220 5% 1/6W				
R1347	1-249-405-11	CARBON	100 5% 1/6W				
R1360	1-249-414-11	CARBON	560 5% 1/6W				
R1362	1-249-414-11	CARBON	560 5% 1/6W				
R1363	1-247-901-00	CARBON	820K 5% 1/6W				
R1364	1-249-424-11	CARBON	3.9K 5% 1/6W				
R1365	1-249-437-11	CARBON	47K 5% 1/6W				

**FB**

**FA**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*1-621-546-12	FB BOARD *****		C676	1-123-364-00	ELECT 1000MF	20% 50V
				C677	1-136-173-00	FILM 0.47MF	5% 50V
		CONNECTOR					(AEP, AUS ONLY)
FB1	1-506-348-XX	4P PLUG		C681	1-136-153-00	FILM 0.01MF	5% 50V
FB2	*1-508-784-00	1P PLUG		C682	1-130-062-00	FILM 0.0056MF	5% 630V
		NEON LAMP		C686	1-136-173-00	FILM 0.47MF	5% 50V
							(AEP, AUS ONLY)
NL1691	1-519-237-11	LAMP, NEON				DIODE	
*****				D601	8-719-503-06	DIODE S3W860Z	
	*A-1245-387-A	FA BOARD, COMPLETE (AEP, AUS ONLY) *****		D602	8-719-100-65	DIODE RD12E-B2	
				D605	8-719-924-06	DIODE ERC24-06S	
	*A-1245-411-A	FA BOARD COMPLETE (WG ONLY) *****		D607	8-719-815-55	DIODE 1S1555	
				D608	8-719-815-55	DIODE 1S1555	
		CAPACITOR		D609	8-719-925-06	DIODE ERC25-06S	
C601	△ 1-136-360-51	FILM 0.22MF	20% 250V	D651	8-719-300-53	DIODE CTU-38S	
C607	1-161-738-00	CERAMIC 0.0047MF	20% 400V	D653	8-719-300-59	DIODE CTU-12S	
C608	△ 1-161-738-12	CERAMIC 0.0047MF	20% 400V	D654	8-719-300-59	DIODE CTU-12S	
C610	1-125-222-21	ELECT(BLOCK) 330MF	20% 400V		*4-347-706-00	HEAT SINK (TR); D654	
C617	1-161-738-00	CERAMIC 0.0047MF	20% 400V	D655	8-719-000-12	DIODE MC931	
C618	1-102-030-00	CERAMIC 330PF	10% 500V	D656	8-719-300-59	DIODE CTU-12S	
C619	1-129-743-00	FILM 0.022MF	10% 400V		*4-347-706-00	HEAT SINK (TR); D656	
C620	1-124-126-00	ELECT 47MF	20% 16V	D658	8-719-110-03	DIODE RD7.5ES-B2	
C621	1-130-062-00	FILM 0.0056MF	5% 630V	D659	8-719-110-03	DIODE RD7.5ES-B2	
C622	1-124-344-91	ELECT 22MF	20% 100V	D660	8-719-815-55	DIODE 1S1555	
C623	1-161-973-00	CERAMIC 220PF	10% 400V	D661	8-719-815-55	DIODE 1S1555	
C624	1-161-973-00	CERAMIC 220PF	10% 400V	D663	8-719-109-93	DIODE RD6.2ES-B2	
C632	1-102-002-00	CERAMIC 680PF	10% 500V	D664	8-719-100-65	DIODE RD12E-B2	
C651	1-162-115-00	CERAMIC 330PF	10% 2KV	D665	8-719-300-59	DIODE CTU-12S	
C652	1-125-294-00	ELECT(BLOCK) 560MF	20% 160V	D666	8-719-911-19	DIODE 1SS119	
C653	1-123-364-00	ELECT 1000MF	20% 50V	D667	8-719-911-55	DIODE U05G	
C654	1-123-338-00	ELECT 2200MF	20% 25V			FUSE	
C655	1-123-338-00	ELECT 2200MF	20% 25V	F601	△ 1-532-299-11	FUSE, TIME-LAG 5A/250V	
C656	1-162-318-11	CERAMIC 0.001MF	10% 500V		*1-533-189-11	HOLDER, FUSE; F601	
C658	1-124-126-00	ELECT 47MF	20% 25V			CONNECTOR	
C659	1-102-030-00	CERAMIC 330PF	10% 500V	FA1	*1-506-348-XX	3P PLUG (L)	
C661	1-123-333-00	ELECT 100MF	20% 25V	FA2	*1-506-348-XX	3P PLUG (L)	
C662	1-136-332-11	FILM 0.01MF	5% 630V	FA3	*1-508-765-00	3P PLUG (M)	
C663	1-124-038-00	ELECT 1MF	20% 50V	FA4	*1-508-767-00	5P PLUG	
C664	1-124-038-00	ELECT 1MF	20% 50V	FA6	*1-508-765-00	3P PLUG (M)	
C666	1-124-123-91	ELECT 100MF	20% 10V	FA7	*1-566-058-11	PIN, CONNECTOR 6P	
C667	1-102-121-00	CERAMIC 0.0022MF	10% 50V	FA8	*1-566-054-11	PIN, CONNECTOR 2P	
C668	△ 1-136-360-51	FILM 0.22MF	20% 250V	FA9	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P	
C669	△ 1-161-738-12	CERAMIC 0.0047MF	20% 400V	FA10	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P	
C670	△ 1-161-738-12	CERAMIC 0.0047MF	20% 400V			IC	
C671	△ 1-161-738-12	CERAMIC 0.0047MF	20% 400V	IC602	8-719-800-82	DIODE TLP581	
C672	△ 1-161-738-12	CERAMIC 0.0047MF	20% 400V	IC651	8-759-145-58	IC UPC4558C	
C673	△ 1-161-738-12	CERAMIC 0.0047MF	20% 400V			COIL	
C674	△ 1-136-360-51	FILM 0.22MF	20% 250V	L601	1-407-365-00	COIL, CHOKE	
				L652	1-407-780-00	COIL, SPOOK CHOKE	
				L653	1-407-780-00	COIL, SPOOK CHOKE	
						IC LINK	
				PS651	1-532-675-00	LINK, IC	
				PS652	1-532-686-00	LINK, IC	

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

FA

FC

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
PS653	1-532-686-00	LINK, IC		<u>VARIABLE RESISTOR</u>			
PS654	1-532-637-00	LINK, IC		RV651	1-230-230-00	RES, ADJ, CERAMIC CARBON 1K	
<u>TRANSISTOR</u>				RV652	1-226-702-00	RES, ADJ, METAL GLAZE 2.2K	
Q601	8-729-195-82	TRANSISTOR 2SC2958		<u>TRANSFORMER</u>			
Q602	8-729-802-07	TRANSISTOR 2SD1403-CA		T601	1-421-758-11	TRANSFORMER, LINE FILTER (LFT)	(AEP, AUS ONLY)
	3-701-833-01	HEAD, WASHER, TAPPING SCREW; Q602		T601	1-421-974-11	TRANSFORMER, LINE FILTER (WG ONLY)	
	4-365-216-00	SPACER, MICA; Q602		T602	1-421-758-11	TRANSFORMER, LINE FILTER (LFT)	(AEP, AUS ONLY)
Q651	8-729-109-53	TRANSISTOR 2SD795A		T602	1-421-974-11	TRANSFORMER, LINE FILTER (WG ONLY)	
	*4-347-706-00	HEAT SINK (TR); Q651		T603	1-437-079-11	TRANSFORMER, HORIZONTAL DRIVE	
Q652	8-729-178-54	TRANSISTOR 2SC2785		T605	1-448-901-11	SRT	
Q653	8-719-000-28	THYRISTOR CRO2AM-8		T607	1-421-975-11	TRANSFORMER, LINE FILTER (WG ONLY)	
<u>RESISTOR</u>				<u>THERMISTOR</u>			
R601	1-217-328-11	WIREWOUND	2.7 10% 7W F	TH651	1-800-944-00	THERMISTOR TH-4700	
R604	1-247-289-11	CARBON	8.2M 5% 1W	THP601	1-806-387-11	THERMISTOR (POSITIVE)	
R609	1-215-894-11	METAL OXIDE	2.2K 5% 2W F	*****			
R612	1-215-904-11	METAL OXIDE	100K 5% 2W F				
R613	1-215-895-11	METAL OXIDE	3.3K 5% 2W F				
R614	1-216-458-11	METAL OXIDE	1.8K 5% 2W F				
R615	1-205-737-00	CEMENTED	30 10% 7W				
R623	1-247-718-11	CARBON	2.7K 5% 1/4W				
R627	1-249-409-11	CARBON	220 5% 1/6W				
R628	1-215-479-00	CARBON	270K 5% 1/6W				
R629	1-249-427-11	CARBON	6.8K 5% 1/6W				
R630	1-247-692-11	CARBON	22 5% 1/4W F				
R631	1-217-352-11	WIREWOUND	390 10% 7W F				
R632	1-217-192-00	WIREWOUND	0.22 10% 2W F				
R652	1-216-430-11	METAL OXIDE	390 5% 1W F				
R653	1-249-425-11	CARBON	4.7K 5% 1/6W				
R654	1-216-464-11	METAL OXIDE	18K 5% 2W F				
R662	1-249-436-11	CARBON	39K 5% 1/6W				
R663	1-249-430-11	CARBON	12K 5% 1/6W				
R664	1-249-441-11	CARBON	100K 5% 1/6W				
R665	1-215-436-00	METAL	4.3K 1% 1/6W				
R666	1-247-713-11	CARBON	1K 5% 1/4W				
R667	1-247-703-11	CARBON	180 5% 1/4W				
R669	1-247-720-11	CARBON	3.9K 5% 1/4W				
R670	1-249-421-11	CARBON	2.2K 5% 1/6W				
R671	1-205-758-11	CEMENTED	100 10% 10W F				
R673	1-244-945-91	CARBON	1M 5% 1/2W				
R677	1-216-346-00	METAL OXIDE	0.56 5% 1W F				
R678	1-247-749-11	CARBON	560 5% 1/2W F				
R680	1-217-353-11	WIREWOUND	470 10% 7W F				
R681	1-246-403-75	CARBON	1.2 5% 1/4W (AEP, AUS ONLY)				
	1-249-429-11	CARBON	10K 5% 1/6W (WG ONLY)				
R682	1-249-429-11	CARBON	10K 5% 1/6W (AEP, AUS ONLY)				
R683	1-216-488-11	METAL OXIDE	18K 5% 3W F				
R684	1-246-403-75	CARBON	1.2 5% 1/4W (AEP, AUS ONLY)				
R684	1-246-405-00	CARBON	1.5 5% 1/4W (WG ONLY)				
R685	1-249-440-11	CARBON	82K 5% 1/6W (AEP, AUS ONLY)				
R689	1-249-429-11	CARBON	10K 5% 1/6W (AEP, AUS ONLY)				
				<u>DIODE</u>			
				D603	8-719-815-55	DIODE 1S1555	
				D604	8-759-157-40	IC UPC574J	
				D606	8-719-911-19	DIODE 1SS119	
				<u>CONNECTOR</u>			
				FC1	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P	
				FC2	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P	
				<u>IC</u>			
				IC601	8-759-100-75	IC UPC1394C	
				<u>TRANSISTOR</u>			
				Q603	8-729-178-54	TRANSISTOR 2SC2785	
				<u>RESISTOR</u>			
				R605	1-215-481-00	CARBON	330K 5% 1/6W
				R606	1-249-433-11	CARBON	22K 5% 1/6W
				R608	1-249-421-11	CARBON	2.2K 5% 1/6W
				R611	1-215-457-00	METAL	33K 1% 1/6W
				R616	1-247-862-00	CARBON	20K 5% 1/6W
				R621	1-249-429-11	CARBON	10K 5% 1/6W
				R622	1-249-433-11	CARBON	22K 5% 1/6W
				R624	1-249-425-11	CARBON	4.7K 5% 1/6W
				R625	1-249-441-11	CARBON	100K 5% 1/6W
				R626	1-247-712-11	CARBON	820 5% 1/4W

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**FC**

**QA**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R633	1-215-477-00	CARBON 220K 5% 1/6W		C1738	1-102-973-00	CERAMIC 100PF 5% 50V	
R634	1-249-437-11	CARBON 47K 5% 1/6W		C1739	1-101-001-00	CERAMIC 0.001MF 50V	
R636	1-215-471-00	METAL 120K 1% 1/6W		C1740	1-101-001-00	CERAMIC 0.001MF 50V	
R637	1-249-433-11	CARBON 22K 5% 1/6W		C1741	1-101-884-00	CERAMIC 56PF 5% 50V	
R638	1-215-435-00	METAL 3.9K 1% 1/6W		C1743	1-102-973-00	CERAMIC 100PF 5% 50V	
R639	1-249-425-11	CARBON 4.7K 5% 1/6W		C1744	1-102-973-00	CERAMIC 100PF 5% 50V	
R674	1-249-440-11	CARBON 82K 5% 1/6W		C1747	1-102-965-00	CERAMIC 39PF 5% 50V	
<u>THERMISTOR</u>				C1748	1-102-965-00	CERAMIC 39PF 5% 50V	
TH601A	1-800-944-11	THERMISTOR TH-4700		C1749	1-102-965-00	CERAMIC 39PF 5% 50V	
*****				C1750	1-102-965-00	CERAMIC 39PF 5% 50V	
*A-1270-212-A QA BOARD, COMPLETE				C1751	1-101-001-00	CERAMIC 0.001MF 50V	
*****				C1752	1-102-973-00	CERAMIC 100PF 5% 50V	
1-537-075-11 TERMINAL BOARD, INPUT/OUTPUT				C1753	1-102-965-00	CERAMIC 39PF 5% 50V	
1-537-076-11 TERMINAL BOARD, INPUT/OUTPUT				<u>DIODE</u>			
<u>CAPACITOR</u>				D1703	8-719-100-38	DIODE RD6.2E-B2	
C1700	1-124-236-00	ELECT 47MF 20% 16V		D1706	8-719-100-38	DIODE RD6.2E-B2	
C1701	1-124-247-00	ELECT 10MF 20% 25V		D1707	8-719-100-38	DIODE RD6.2E-B2	
C1702	1-124-247-00	ELECT 10MF 20% 25V		D1708	8-719-100-38	DIODE RD6.2E-B2	
C1703	1-124-236-00	ELECT 47MF 20% 16V		D1709	8-719-100-38	DIODE RD6.2E-B2	
C1704	1-124-247-00	ELECT 10MF 20% 25V		D1710	8-719-100-38	DIODE RD6.2E-B2	
C1705	1-124-247-00	ELECT 10MF 20% 25V		D1711	8-719-100-38	DIODE RD6.2E-B2	
C1706	1-124-247-00	ELECT 10MF 20% 25V		<u>JACK</u>			
C1707	1-124-247-00	ELECT 10MF 20% 25V		J25	1-561-534-41	SOCKET 21P	
C1708	1-124-236-00	ELECT 47MF 20% 16V		<u>CONNECTOR</u>			
C1709	1-124-247-00	ELECT 10MF 20% 25V		QA1	*1-566-055-11	PIN, CONNECTOR 3P	
C1710	1-102-965-00	CERAMIC 39PF 5% 50V		QA2	*1-560-278-00	PLUG, CONNECTOR 3P	
C1712	1-102-965-00	CERAMIC 39PF 5% 50V		<u>RESISTOR</u>			
C1714	1-102-965-00	CERAMIC 39PF 5% 50V		R1700	1-247-104-00	CARBON 75 5% 1/4W	
C1715	1-124-247-00	ELECT 10MF 20% 25V		R1701	1-249-417-11	CARBON 1K 5% 1/6W	
C1716	1-124-247-00	ELECT 10MF 20% 25V		R1702	1-247-901-00	CARBON 820K 5% 1/6W	
C1717	1-124-247-00	ELECT 10MF 20% 25V		R1703	1-249-417-11	CARBON 1K 5% 1/6W	
C1718	1-124-247-00	ELECT 10MF 20% 25V		R1704	1-247-901-00	CARBON 820K 5% 1/6W	
C1719	1-124-236-00	ELECT 47MF 20% 16V		R1705	1-247-104-00	CARBON 75 5% 1/4W	
C1720	1-124-236-00	ELECT 47MF 20% 16V		R1706	1-249-417-11	CARBON 1K 5% 1/6W	
C1721	1-124-236-00	ELECT 47MF 20% 16V		R1707	1-247-901-00	CARBON 820K 5% 1/6W	
C1722	1-124-236-00	ELECT 47MF 20% 16V		R1708	1-249-417-11	CARBON 1K 5% 1/6W	
C1723	1-124-247-00	ELECT 10MF 20% 25V		R1709	1-247-901-00	CARBON 820K 5% 1/6W	
C1726	1-102-973-00	CERAMIC 100PF 5% 50V		R1710	1-247-104-00	CARBON 75 5% 1/4W	
C1727	1-102-973-00	CERAMIC 100PF 5% 50V		R1711	1-249-414-11	CARBON 560 5% 1/6W	
C1728	1-102-973-00	CERAMIC 100PF 5% 50V		R1712	1-215-485-00	CARBON 470K 5% 1/6W	
C1729	1-102-973-00	CERAMIC 100PF 5% 50V		R1713	1-249-414-11	CARBON 560 5% 1/6W	
C1730	1-101-884-00	CERAMIC 56PF 5% 50V		R1714	1-215-485-00	CARBON 470K 5% 1/6W	
C1731	1-102-973-00	CERAMIC 100PF 5% 50V					
C1732	1-102-973-00	CERAMIC 100PF 5% 50V					
C1733	1-101-884-00	CERAMIC 56PF 5% 50V					
C1734	1-101-001-00	CERAMIC 0.001MF 50V					
C1737	1-101-884-00	CERAMIC 56PF 5% 50V					

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.



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QB

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D1772	8-719-911-19	DIODE 1SS119		Q1799	8-729-178-54	TRANSISTOR 2SC2785	
D1773	8-719-911-19	DIODE 1SS119		Q1802	8-729-900-36	TRANSISTOR DTC124ES	
D1774	8-719-911-19	DIODE 1SS119		Q1803	8-729-178-54	TRANSISTOR 2SC2785	
D1775	8-719-911-19	DIODE 1SS119		Q1804	8-729-178-54	TRANSISTOR 2SC2785	
D1776	8-719-911-19	DIODE 1SS119		Q1805	8-729-178-54	TRANSISTOR 2SC2785	
D1777	8-719-911-19	DIODE 1SS119		Q1806	8-729-178-54	TRANSISTOR 2SC2785	
D1780	8-719-911-19	DIODE 1SS119		Q1807	8-729-178-54	TRANSISTOR 2SC2785	
D1781	8-719-911-19	DIODE 1SS119		Q1808	8-729-178-54	TRANSISTOR 2SC2785	
D1782	8-719-911-19	DIODE 1SS119		Q1809	8-729-178-54	TRANSISTOR 2SC2785	
D1783	8-719-931-06	DIODE EQ801-06		Q1810	8-729-178-54	TRANSISTOR 2SC2785	
D1784	8-719-110-14	DIODE RD9.1ES-B3		Q1811	8-729-178-54	TRANSISTOR 2SC2785	
D1787	8-719-109-90	DIODE RD5.6ES-B3		Q1812	8-729-178-54	TRANSISTOR 2SC2785	
D1788	8-719-911-19	DIODE 1SS119		Q1813	8-729-178-54	TRANSISTOR 2SC2785	
D1789	8-719-911-19	DIODE 1SS119		Q1814	8-729-178-54	TRANSISTOR 2SC2785	
<u>IC</u>				Q1815	8-729-178-54	TRANSISTOR 2SC2785	
IC1770	8-759-800-65	IC LA7910		Q1816	8-729-178-54	TRANSISTOR 2SC2785	
IC1771	8-759-140-66	IC UPD4066BC		Q1817	8-729-178-54	TRANSISTOR 2SC2785	
IC1772	8-759-102-37	IC UPD4052BC		Q1818	8-729-900-36	TRANSISTOR DTC124ES	
IC1773	8-759-102-37	IC UPD4052BC		Q1819	8-729-900-36	TRANSISTOR DTC124ES	
IC1774	8-759-900-86	IC SN74LS86N		Q1820	8-729-900-36	TRANSISTOR DTC124ES	
IC1775	8-759-901-38	IC SN74LS138N		Q1822	8-729-178-54	TRANSISTOR 2SC2785	
IC1776	8-759-900-09	IC SN74LS09N		Q1823	8-729-178-54	TRANSISTOR 2SC2785	
<u>COIL</u>				Q1825	8-729-178-54	TRANSISTOR 2SC2785	
L1770	1-408-239-00	MICRO INDUCTOR 4.7MMH		Q1826	8-729-178-54	TRANSISTOR 2SC2785	
<u>TRANSISTOR</u>				Q1827	8-729-178-54	TRANSISTOR 2SC2785	
Q1773	8-729-117-54	TRANSISTOR 2SA1175		Q1828	8-729-178-54	TRANSISTOR 2SC2785	
Q1774	8-729-178-54	TRANSISTOR 2SC2785		Q1829	8-729-178-54	TRANSISTOR 2SC2785	
Q1775	8-729-117-54	TRANSISTOR 2SA1175		Q1830	8-729-177-43	TRANSISTOR 2SD774	
Q1776	8-729-178-54	TRANSISTOR 2SC2785		Q1831	8-729-900-36	TRANSISTOR DTC124ES	
Q1777	8-729-178-54	TRANSISTOR 2SC2785		Q1832	8-729-178-54	TRANSISTOR 2SC2785	
Q1778	8-729-178-54	TRANSISTOR 2SC2785		Q1891	8-729-900-36	TRANSISTOR DTC124ES	
Q1779	8-729-117-54	TRANSISTOR 2SA1175		<u>CONNECTOR</u>			
Q1780	8-729-117-54	TRANSISTOR 2SA1175		QB11	*1-566-058-11	PIN, CONNECTOR 6P	
Q1781	8-729-178-54	TRANSISTOR 2SC2785		QB12	*1-566-056-11	PIN, CONNECTOR 4P	
Q1784	8-729-900-89	TRANSISTOR DTC144ES		QB13	*1-566-056-11	PIN, CONNECTOR 4P	
Q1785	8-729-178-54	TRANSISTOR 2SC2785		QB14	*1-566-054-11	PIN, CONNECTOR 2P	
Q1786	8-729-178-54	TRANSISTOR 2SC2785		QB15	*1-566-057-11	PIN, CONNECTOR 5P	
Q1787	8-729-177-43	TRANSISTOR 2SD774		QB16	*1-566-056-11	PIN, CONNECTOR 4P	
Q1788	8-729-117-54	TRANSISTOR 2SA1175		QB17	*1-566-059-11	PIN, CONNECTOR 7P	
Q1789	8-729-178-54	TRANSISTOR 2SC2785		<u>RESISTOR</u>			
Q1790	8-729-177-43	TRANSISTOR 2SD774		R1771	1-249-469-11	CARBON 100K 5% 1/4W	
Q1791	8-729-900-36	TRANSISTOR DTC124ES		R1776	1-249-405-11	CARBON 100 5% 1/6W	
Q1792	8-729-178-54	TRANSISTOR 2SC2785		R1777	1-249-405-11	CARBON 100 5% 1/6W	
Q1793	8-729-117-54	TRANSISTOR 2SA1175		R1778	1-249-405-11	CARBON 100 5% 1/6W	
Q1794	8-729-178-54	TRANSISTOR 2SC2785		R1779	1-249-441-11	CARBON 100K 5% 1/6W	
Q1795	8-729-178-54	TRANSISTOR 2SC2785		R1780	1-249-433-11	CARBON 22K 5% 1/6W	
Q1796	8-729-178-54	TRANSISTOR 2SC2785		R1781	1-249-441-11	CARBON 100K 5% 1/6W	
Q1797	8-729-178-54	TRANSISTOR 2SC2785		R1782	1-249-425-11	CARBON 4.7K 5% 1/6W	
Q1798	8-729-117-54	TRANSISTOR 2SA1175		R1783	1-249-469-11	CARBON 100K 5% 1/4W	
				R1784	1-249-433-11	CARBON 22K 5% 1/6W	

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R1785	1-249-441-11	CARBON	100K 5% 1/6W	R1847	1-249-437-11	CARBON	47K 5% 1/6W
R1786	1-249-441-11	CARBON	100K 5% 1/6W	R1848	1-249-428-11	CARBON	8.2K 5% 1/6W
R1787	1-249-433-11	CARBON	22K 5% 1/6W	R1849	1-249-437-11	CARBON	47K 5% 1/6W
R1788	1-249-413-11	CARBON	470 5% 1/6W	R1850	1-249-428-11	CARBON	8.2K 5% 1/6W
R1794	1-215-485-00	CARBON	470K 5% 1/6W	R1851	1-249-465-11	CARBON	47K 5% 1/4W
R1795	1-249-422-11	CARBON	2.7K 5% 1/6W	R1852	1-249-428-11	CARBON	8.2K 5% 1/6W
R1796	1-249-440-11	CARBON	82K 5% 1/6W	R1853	1-249-416-11	CARBON	820 5% 1/6W
R1797	1-249-434-11	CARBON	27K 5% 1/6W	R1854	1-249-416-11	CARBON	820 5% 1/6W
R1798	1-249-425-11	CARBON	4.7K 5% 1/6W	R1855	1-249-417-11	CARBON	1K 5% 1/6W
R1799	1-249-419-11	CARBON	1.5K 5% 1/6W	R1856	1-249-417-11	CARBON	1K 5% 1/6W
R1800	1-249-425-11	CARBON	4.7K 5% 1/6W	R1857	1-247-713-11	CARBON	1K 5% 1/4W
R1801	1-249-440-11	CARBON	82K 5% 1/6W	R1858	1-249-433-11	CARBON	22K 5% 1/6W
R1802	1-249-434-11	CARBON	27K 5% 1/6W	R1859	1-249-417-11	CARBON	1K 5% 1/6W
R1804	1-249-429-11	CARBON	10K 5% 1/6W	R1860	1-249-429-11	CARBON	10K 5% 1/6W
R1805	1-249-429-11	CARBON	10K 5% 1/6W	R1861	1-249-417-11	CARBON	1K 5% 1/6W
R1806	1-249-406-11	CARBON	120 5% 1/6W	R1862	1-249-417-11	CARBON	1K 5% 1/6W
R1807	1-247-849-00	CARBON	5.6K 5% 1/6W	R1863	1-249-433-11	CARBON	22K 5% 1/6W
R1808	1-247-849-00	CARBON	5.6K 5% 1/6W	R1864	1-249-417-11	CARBON	1K 5% 1/6W
R1809	1-249-408-11	CARBON	180 5% 1/6W	R1865	1-249-425-11	CARBON	4.7K 5% 1/6W
R1810	1-247-832-00	CARBON	1.1K 5% 1/6W	R1866	1-249-412-11	CARBON	390 5% 1/6W
R1811	1-249-413-11	CARBON	470 5% 1/6W	R1867	1-249-417-11	CARBON	1K 5% 1/6W
R1813	1-249-413-11	CARBON	470 5% 1/6W	R1868	1-249-412-11	CARBON	390 5% 1/6W
R1814	1-249-413-11	CARBON	470 5% 1/6W	R1869	1-249-421-11	CARBON	2.2K 5% 1/6W
R1815	1-249-412-11	CARBON	390 5% 1/6W	R1870	1-249-421-11	CARBON	2.2K 5% 1/6W
R1816	1-249-413-11	CARBON	470 5% 1/6W	R1871	1-249-421-11	CARBON	2.2K 5% 1/6W
R1817	1-247-832-00	CARBON	1.1K 5% 1/6W	R1872	1-249-433-11	CARBON	22K 5% 1/6W
R1819	1-249-413-11	CARBON	470 5% 1/6W	R1873	1-249-429-11	CARBON	10K 5% 1/6W
R1820	1-249-406-11	CARBON	120 5% 1/6W	R1874	1-249-413-11	CARBON	470 5% 1/6W
R1821	1-249-406-11	CARBON	120 5% 1/6W	R1875	1-247-842-00	CARBON	3K 5% 1/6W
R1822	1-249-406-11	CARBON	120 5% 1/6W	R1876	1-249-420-11	CARBON	1.8K 5% 1/6W
R1823	1-249-406-11	CARBON	120 5% 1/6W	R1877	1-249-429-11	CARBON	10K 5% 1/6W
R1824	1-247-881-00	CARBON	120K 5% 1/6W	R1879	1-249-469-11	CARBON	100K 5% 1/4W
R1825	1-247-881-00	CARBON	120K 5% 1/6W	R1880	1-249-417-11	CARBON	1K 5% 1/6W
R1826	1-247-881-00	CARBON	120K 5% 1/6W	R1881	1-249-422-11	CARBON	2.7K 5% 1/6W
R1827	1-249-429-11	CARBON	10K 5% 1/6W	R1882	1-249-417-11	CARBON	1K 5% 1/6W
R1828	1-249-417-11	CARBON	1K 5% 1/6W	R1883	1-249-433-11	CARBON	22K 5% 1/6W
R1829	1-249-429-11	CARBON	10K 5% 1/6W	R1884	1-249-417-11	CARBON	1K 5% 1/6W
R1830	1-249-429-11	CARBON	10K 5% 1/6W	R1885	1-249-416-11	CARBON	820 5% 1/6W
R1831	1-249-417-11	CARBON	1K 5% 1/6W	R1886	1-249-417-11	CARBON	1K 5% 1/6W
R1832	1-249-429-11	CARBON	10K 5% 1/6W	R1887	1-247-715-11	CARBON	1.5K 5% 1/4W
R1833	1-249-429-11	CARBON	10K 5% 1/6W	R1888	1-249-417-11	CARBON	1K 5% 1/6W
R1834	1-249-417-11	CARBON	1K 5% 1/6W	R1892	1-249-415-11	CARBON	680 5% 1/6W
R1835	1-249-428-11	CARBON	8.2K 5% 1/6W	R1893	1-249-433-11	CARBON	22K 5% 1/6W
R1836	1-249-422-11	CARBON	2.7K 5% 1/6W	R1894	1-249-428-11	CARBON	8.2K 5% 1/6W
R1837	1-249-417-11	CARBON	1K 5% 1/6W	R1896	1-249-415-11	CARBON	680 5% 1/6W
R1838	1-247-849-00	CARBON	5.6K 5% 1/6W	R1898	1-247-849-00	CARBON	5.6K 5% 1/6W
R1839	1-247-849-00	CARBON	5.6K 5% 1/6W	R1899	1-247-849-00	CARBON	5.6K 5% 1/6W
R1841	1-249-433-11	CARBON	22K 5% 1/6W	R1902	1-249-417-11	CARBON	1K 5% 1/6W
R1842	1-249-433-11	CARBON	22K 5% 1/6W	R1903	1-249-412-11	CARBON	390 5% 1/6W
R1843	1-249-462-11	CARBON	22K 5% 1/4W	R1921	1-249-424-11	CARBON	3.9K 5% 1/6W
R1844	1-249-405-11	CARBON	100 5% 1/6W	R1922	1-249-424-11	CARBON	3.9K 5% 1/6W
R1845	1-249-433-11	CARBON	22K 5% 1/6W				
R1846	1-247-714-11	CARBON	1.2K 5% 1/4W				

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Ref.No.	Part No.	Description				Remark	Ref.No.	Part No.	Description			Remark
R1923	1-249-421-11	CARBON	2.2K	5%	1/6W		C709	1-102-116-00	CERAMIC	680PF	10%	50V
R1925	1-249-440-11	CARBON	82K	5%	1/6W		C710	1-102-115-00	CERAMIC	560PF	10%	50V
R1926	1-249-440-11	CARBON	82K	5%	1/6W		C711	1-123-356-00	ELECT	10MF	20%	25V
R1927	1-249-440-11	CARBON	82K	5%	1/6W		C712	1-102-116-00	CERAMIC	680PF	10%	50V
							C713	1-102-116-00	CERAMIC	680PF	10%	50V
R1928	1-249-405-11	CARBON	100	5%	1/6W							
R1929	1-247-849-00	CARBON	5.6K	5%	1/6W		C714	1-123-321-00	ELECT	220MF	20%	16V
R1930	1-247-714-11	CARBON	1.2K	5%	1/4W		C715	1-102-125-00	CERAMIC	0.0047MF	10%	50V
R1931	1-249-417-11	CARBON	1K	5%	1/6W		C718	1-102-125-00	CERAMIC	0.0047MF	10%	50V
R1932	1-249-417-11	CARBON	1K	5%	1/6W		C723	1-108-634-81	MYLAR	0.047MF	10%	100V
							C753	1-102-971-00	CERAMIC	82PF	5%	50V
R1935	1-249-428-11	CARBON	8.2K	5%	1/6W							
R1936	1-249-430-11	CARBON	12K	5%	1/6W		C754	1-108-617-91	MYLAR	0.0018MF	10%	100V
R1937	1-249-428-11	CARBON	8.2K	5%	1/6W		C755	1-123-356-00	ELECT	10MF	20%	25V
R1938	1-249-428-11	CARBON	8.2K	5%	1/6W		C756	1-106-367-00	MYLAR	0.01MF	10%	100V
R1939	1-249-428-11	CARBON	8.2K	5%	1/6W		C757	1-106-367-00	MYLAR	0.01MF	10%	100V
							C758	1-102-963-00	CERAMIC	33PF	5%	50V
R1940	1-249-428-11	CARBON	8.2K	5%	1/6W							
R1941	1-249-428-11	CARBON	8.2K	5%	1/6W		C759	1-102-963-00	CERAMIC	33PF	5%	50V
R1942	1-247-695-11	CARBON	39	5%	1/4W		C760	1-108-614-91	MYLAR	0.001MF	10%	100V
R1950	1-249-428-11	CARBON	8.2K	5%	1/6W		C762	1-136-177-00	FILM	1MF	5%	50V
R1951	1-249-429-11	CARBON	10K	5%	1/6W		C763	1-123-356-00	ELECT	10MF	20%	50V
							C764	1-106-220-00	MYLAR	0.1MF	10%	100V
R1952	1-215-865-11	METAL OXIDE	220	5%	1W	F						
R1953	1-249-423-11	CARBON	3.3K	5%	1/6W		C765	1-123-380-00	ELECT	1MF	20%	50V
R1955	1-249-435-11	CARBON	33K	5%	1/6W		C766	1-124-122-11	ELECT	100MF	20%	50V
R1956	1-249-434-11	CARBON	27K	5%	1/6W							
R1965	1-247-712-11	CARBON	820	5%	1/4W							
									DIODE			
R1966	1-247-712-11	CARBON	820	5%	1/4W		D701	8-719-911-19	DIODE	1SS119		
R1967	1-247-712-11	CARBON	820	5%	1/4W		D702	8-719-911-19	DIODE	1SS119		
R1968	1-247-881-00	CARBON	120K	5%	1/6W		D703	8-719-911-19	DIODE	1SS119		
R1969	1-249-440-11	CARBON	82K	5%	1/6W		D704	8-719-911-19	DIODE	1SS119		
							D705	8-719-911-19	DIODE	1SS119		
R1971	1-249-417-11	CARBON	1K	5%	1/6W							
R1972	1-249-417-11	CARBON	1K	5%	1/6W		D706	8-719-911-19	DIODE	1SS119		
R1973	1-249-417-11	CARBON	1K	5%	1/6W		D707	8-719-911-19	DIODE	1SS119		
R1974	1-247-713-11	CARBON	1K	5%	1/6W		D708	8-719-911-19	DIODE	1SS119		
							D709	8-719-911-19	DIODE	1SS119		
*****							D710	8-719-901-83	DIODE	1SS83		
*A-1330-789-A C BOARD, COMPLETE							D711	8-719-901-83	DIODE	1SS83		
*****							D712	8-719-901-83	DIODE	1SS83		
1-526-644-71 SOCKET, CRT							D713	8-719-901-83	DIODE	1SS83		
							D751	8-719-911-19	DIODE	1SS119		
							D752	8-719-911-19	DIODE	1SS119		
								</				

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q702	8-729-178-54	TRANSISTOR 2SC2785		R732	1-247-719-11	CARBON 3.3K 5% 1/4W	F
Q703	8-729-200-17	TRANSISTOR 2SA1091		R733	1-247-719-11	CARBON 3.3K 5% 1/4W	F
Q704	8-729-326-11	TRANSISTOR 2SC2611		R734	1-247-714-11	CARBON 1.2K 5% 1/4W	
Q705	8-729-178-54	TRANSISTOR 2SC2785		R735	1-247-714-11	CARBON 1.2K 5% 1/4W	
Q706	8-729-200-17	TRANSISTOR 2SA1091		R736	1-246-476-00	CARBON 1.3K 5% 1/4W	
Q707	8-729-200-17	TRANSISTOR 2SA1091		R737	1-249-440-11	CARBON 82K 5% 1/6W	
Q708	8-729-326-11	TRANSISTOR 2SC2611		R739	1-215-471-00	CARBON 120K 5% 1/6W	
Q709	8-729-178-54	TRANSISTOR 2SC2785		R740	1-215-902-11	METAL OXIDE 47K 5% 2W	F
Q710	8-729-255-12	TRANSISTOR 2SC2551		R741	1-249-438-11	CARBON 56K 5% 1/6W	
Q712	8-729-255-12	TRANSISTOR 2SC2551		R742	1-247-725-11	CARBON 10K 5% 1/4W	F
Q714	8-729-200-17	TRANSISTOR 2SA1091		R743	1-247-725-11	CARBON 10K 5% 1/4W	F
Q715	8-729-200-17	TRANSISTOR 2SA1091		R744	1-247-725-11	CARBON 10K 5% 1/4W	F
Q716	8-729-200-17	TRANSISTOR 2SA1091		R745	1-247-713-11	CARBON 1K 5% 1/4W	F
Q751	8-729-178-54	TRANSISTOR 2SC2785		R746	1-215-879-51	METAL OXIDE 47K 5% 1W	F
Q752	8-729-178-54	TRANSISTOR 2SC2785		R747	1-247-725-11	CARBON 10K 5% 1/4W	F
Q753	8-729-178-54	TRANSISTOR 2SC2785		R751	1-249-409-11	CARBON 220 5% 1/6W	
Q754	8-729-177-43	TRANSISTOR 2SD774		R752	1-249-409-11	CARBON 220 5% 1/6W	
Q755	8-729-178-54	TRANSISTOR 2SC2785		R753	1-249-418-11	CARBON 1.2K 5% 1/6W	
Q756	8-729-374-02	TRANSISTOR 2SB740		R754	1-249-412-11	CARBON 390 5% 1/6W	
Q757	8-729-177-43	TRANSISTOR 2SD774		R755	1-215-871-11	METAL OXIDE 2.2K 5% 1W	F
<u>RESISTOR</u>				R756	1-249-414-11	CARBON 560 5% 1/6W	
R701	1-212-352-00	METAL OXIDE 0.22 5% 1W	F	R757	1-247-849-00	CARBON 5.6K 5% 1/6W	
R702	1-202-846-00	SOLID 470K 10% 1/2W		R758	1-249-435-11	CARBON 33K 5% 1/6W	
R703	1-202-844-00	SOLID 330K 10% 1/2W		R759	1-249-393-11	CARBON 10 5% 1/6W	F
R704	1-202-815-11	SOLID 47K 10% 1/2W		R760	1-249-411-11	CARBON 330 5% 1/6W	
R705	1-202-846-00	SOLID 470K 10% 1/2W		R761	1-249-409-11	CARBON 220 5% 1/6W	
R706	1-202-720-00	SOLID 1.2M 10% 1/2W		R762	1-249-409-11	CARBON 220 5% 1/6W	
R707	1-202-842-11	SOLID 220K 10% 1/2W		R763	1-249-437-11	CARBON 47K 5% 1/6W	
R708	1-202-818-00	SOLID 1K 10% 1/2W		R764	1-249-397-11	CARBON 22 5% 1/6W	F
R709	1-202-818-00	SOLID 1K 10% 1/2W		R765	1-249-417-11	CARBON 1K 5% 1/6W	
R710	1-202-818-00	SOLID 1K 10% 1/2W		R766	1-249-435-11	CARBON 33K 5% 1/6W	
R711	1-202-549-00	SOLID 100 10% 1/2W		R767	1-249-441-11	CARBON 100K 5% 1/6W	
R712	1-202-543-00	SOLID 56 10% 1/2W		R768	1-249-435-11	CARBON 33K 5% 1/6W	
R713	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F	R769	1-249-417-11	CARBON 1K 5% 1/6W	
R714	1-249-409-11	CARBON 220 5% 1/6W		R770	1-249-389-11	CARBON 4.7 5% 1/6W	F
R715	1-249-429-11	CARBON 10K 5% 1/6W		R771	1-249-389-11	CARBON 4.7 5% 1/6W	F
R716	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F	R772	1-249-402-11	CARBON 56 5% 1/6W	
R717	1-249-409-11	CARBON 220 5% 1/6W		<u>VARIABLE RESISTOR</u>			
R718	1-249-429-11	CARBON 10K 5% 1/6W		RV701	1-226-157-00	RES, ADJ, METAL GLAZE 1M	
R719	1-249-429-11	CARBON 10K 5% 1/6W		RV703	1-228-729-00	RES, ADJ, CERAMIC CARBON 220K	
R720	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F	RV705	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K	
R721	1-249-409-11	CARBON 220 5% 1/6W		RV706	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
R722	1-249-405-11	CARBON 100 5% 1/6W		*****			
R723	1-247-700-11	CARBON 100 5% 1/4W		*A-1340-940-A D2 BOARD, COMPLETE			
R724	1-249-405-11	CARBON 100 5% 1/6W		*****			
R725	1-249-429-11	CARBON 10K 5% 1/6W		<u>CAPACITOR</u>			
R726	1-249-408-11	CARBON 180 5% 1/6W		C2501	1-108-618-91	MYLAR 0.0022MF 10% 100V	
R727	1-249-429-11	CARBON 10K 5% 1/6W		C2502	1-108-632-81	MYLAR 0.033MF 10% 100V	
R728	1-215-402-00	CARBON 160 5% 1/6W		C2503	1-108-620-91	MYLAR 0.0033MF 10% 100V	
R729	1-249-441-11	CARBON 100K 5% 1/6W		C2504	1-102-074-00	CERAMIC 0.001MF 10% 50V	
R730	1-215-402-00	CARBON 160 5% 1/6W					
R731	1-247-719-11	CARBON 3.3K 5% 1/4W	F				

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C2505	1-106-367-00	MYLAR 0.01MF	10% 100V	L2506	1-459-123-00	COIL, DUST CORE(PAC)	
C2506	1-108-620-91	MYLAR 0.0033MF	10% 100V			TRANSISTOR	
C2507	1-106-367-00	MYLAR 0.01MF	10% 100V	Q2501	8-729-178-54	TRANSISTOR 2SC2785	
C2508	1-123-379-00	ELECT 0.47MF	20% 50V	Q2502	8-729-178-54	TRANSISTOR 2SC2785	
C2509	1-123-356-00	ELECT 10MF	20% 50V	Q2503	8-729-178-54	TRANSISTOR 2SC2785	
C2510	1-123-356-00	ELECT 10MF	20% 50V	Q2504	8-729-178-54	TRANSISTOR 2SC2785	
C2511	1-123-359-00	ELECT 47MF	20% 50V	Q2505	8-729-178-54	TRANSISTOR 2SC2785	
C2512	1-123-359-00	ELECT 47MF	20% 50V	Q2506	8-729-122-02	TRANSISTOR 2SA1220A	
C2513	1-123-357-00	ELECT 22MF	20% 50V	Q2507	8-729-169-02	TRANSISTOR 2SC2690A	
C2514	1-123-361-00	ELECT 220MF	20% 50V	Q2510	8-729-195-82	TRANSISTOR 2SC2958	
C2515	1-123-333-00	ELECT 100MF	20% 25V	Q2511	8-729-117-54	TRANSISTOR 2SA1175	
C2516	1-123-360-00	ELECT 100MF	20% 50V	Q2512	8-729-122-02	TRANSISTOR 2SA1220A	
C2517	1-129-701-00	FILM 0.01MF	5% 100V	Q2515	8-729-117-54	TRANSISTOR 2SA1175	
C2518	1-102-231-11	CERAMIC 47PF	10% 500V	Q2516	8-729-178-54	TRANSISTOR 2SC2785	
C2520	1-123-380-00	ELECT 1MF	20% 50V			RESISTOR	
C2521	1-108-849-00	MYLAR 0.1MF	10% 50V	R2501	1-249-435-11	CARBON 33K 5% 1/6W	
C2522	1-123-332-00	ELECT 47MF	20% 25V	R2502	1-249-429-11	CARBON 10K 5% 1/6W	
C2523	1-108-637-00	MYLAR 0.082MF	10% 100V	R2503	1-249-435-11	CARBON 33K 5% 1/6W	
C2524	1-106-222-00	MYLAR 0.12MF	10% 100V	R2504	1-249-429-11	CARBON 10K 5% 1/6W	
C2525	1-123-379-00	ELECT 0.47MF	20% 50V	R2505	1-249-420-11	CARBON 1.8K 5% 1/6W	
C2526	1-108-634-81	MYLAR 0.047MF	10% 100V	R2506	1-249-429-11	CARBON 10K 5% 1/6W	
C2527	1-108-614-91	MYLAR 0.001MF	10% 100V	R2507	1-249-437-11	CARBON 47K 5% 1/6W	
C2530	1-106-224-00	MYLAR 0.15MF	10% 100V	R2508	1-249-437-11	CARBON 47K 5% 1/6W	
C2532	1-106-367-00	MYLAR 0.01MF	10% 100V	R2509	1-249-418-11	CARBON 1.2K 5% 1/6W	
C2535	1-108-630-91	MYLAR 0.022MF	10% 100V	R2510	1-249-438-11	CARBON 56K 5% 1/6W	
C2536	1-123-379-00	ELECT 0.47MF	20% 50V	R2511	1-249-439-11	CARBON 68K 5% 1/6W	
C2537	1-123-332-00	ELECT 47MF	20% 25V	R2512	1-249-429-11	CARBON 10K 5% 1/6W	
C2538	1-123-369-00	ELECT 4.7MF	20% 50V	R2513	1-249-417-11	CARBON 1K 5% 1/6W	
<u>CONNECTOR</u>				R2514	1-247-700-11	CARBON 100 5% 1/4W	
D21	*1-566-058-11	PIN, CONNECTOR 6P		R2515	1-249-439-11	CARBON 68K 5% 1/6W	
D22	*1-508-767-00	5P PLUG		R2516	1-249-425-11	CARBON 4.7K 5% 1/6W	
D23	*1-508-766-00	4P PLUG (M)		R2517	1-249-439-11	CARBON 68K 5% 1/6W	
D24	*1-508-765-00	3P PLUG (M)		R2518	1-249-439-11	CARBON 68K 5% 1/6W	
D25	*1-508-784-00	1P PLUG		R2519	1-249-437-11	CARBON 47K 5% 1/6W	
D26	*1-566-054-11	PIN, CONNECTOR 2P		R2520	1-249-421-11	CARBON 2.2K 5% 1/6W	
<u>DIODE</u>				R2521	1-249-439-11	CARBON 68K 5% 1/6W	
D2501	8-719-911-19	DIODE 1SS119		R2522	1-249-430-11	CARBON 12K 5% 1/6W	
D2502	8-719-200-02	DIODE 10E2		R2523	1-249-423-11	CARBON 3.3K 5% 1/6W	
D2503	8-719-200-02	DIODE 10E2		R2524	1-247-849-00	CARBON 5.6K 5% 1/6W	
D2504	8-719-911-19	DIODE 1SS119		R2525	1-247-849-00	CARBON 5.6K 5% 1/6W	
D2505	8-719-911-19	DIODE 1SS119		R2526	1-249-423-11	CARBON 3.3K 5% 1/6W	
D2506	8-719-200-02	DIODE 10E2		R2527	1-249-433-11	CARBON 22K 5% 1/6W	
D2507	8-719-110-51	DIODE RD20ES-B		R2528	1-249-425-11	CARBON 4.7K 5% 1/6W	
<u>COIL</u>				R2529	1-249-433-11	CARBON 22K 5% 1/6W	
L2501	1-407-877-00	MICRO INDUCTOR 15MMH		R2530	1-249-423-11	CARBON 3.3K 5% 1/6W	
L2502	1-459-119-00	COIL, DUST CORE(ARC)		R2531	1-249-401-11	CARBON 47 5% 1/6W	F
L2503	1-407-504-00	MICRO INDUCTOR 10MMH		R2532	1-249-401-11	CARBON 47 5% 1/6W	F
L2504	1-459-583-11	COIL (WITH CORE)		R2533	1-249-399-11	CARBON 33 5% 1/6W	F
L2505	1-443-012-00	TRANSFORMER, DYNAMIC CONVERSION		R2534	1-249-429-11	CARBON 10K 5% 1/6W	
				R2540	1-249-434-11	CARBON 27K 5% 1/6W	



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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R2634	1-247-700-11	CARBON 100 5% 1/4W		C551	1-123-357-00	ELECT 22MF 20% 50V	
R2635	1-247-722-11	CARBON 5.6K 5% 1/4W		C552	1-123-356-00	ELECT 10MF 20% 50V	
R2636	1-249-427-11	CARBON 6.8K 5% 1/6W		C555	1-123-379-00	ELECT 0.47MF 20% 50V	
R2637	1-249-433-11	CARBON 22K 5% 1/6W		C556	1-136-175-00	FILM 0.68MF 5% 50V	
R2638	1-249-431-11	CARBON 15K 5% 1/6W		C557	1-136-169-00	FILM 0.22MF 5% 50V	
R2639	1-249-437-11	CARBON 47K 5% 1/6W		C1501	1-136-161-00	FILM 0.047MF 5% 50V	
R2640	1-249-429-11	CARBON 10K 5% 1/6W		C1502	1-106-220-00	MYLAR 0.1MF 10% 100V	
R2642	1-249-424-11	CARBON 3.9K 5% 1/6W		C1503	1-106-371-00	MYLAR 0.015MF 10% 100V	
R2643	1-249-423-11	CARBON 3.3K 5% 1/6W		C1504	1-123-330-00	ELECT 22MF 20% 16V	
R2644	1-247-885-00	CARBON 180K 5% 1/6W		C1505	1-108-630-91	MYLAR 0.022MF 10% 100V	
R2645	1-249-429-11	CARBON 10K 5% 1/6W		C1506	1-123-356-00	ELECT 10MF 20% 25V	
VARIABLE RESISTOR				C1507	1-123-332-00	ELECT 47MF 20% 25V	
RV2601	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K		C1508	1-130-868-00	FILM 0.0056MF 5% 50V	
RV2602	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K		C1509	1-123-369-00	ELECT 4.7MF 20% 25V	
RV2603	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K		C1510	1-102-820-00	CERAMIC 330PF 5% 50V	
RV2604	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K		C1511	1-123-321-00	ELECT 220MF 20% 16V	
RV2605	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K		C1512	1-123-379-00	ELECT 0.47MF 20% 50V	
RV2606	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K		C1520	1-102-125-00	CERAMIC 0.0047MF 10% 50V	
*****				C1521	1-108-631-81	MYLAR 0.027MF 10% 100V	
*A-1345-699-A D BOARD, COMPLETE				C1522	1-123-333-00	ELECT 100MF 20% 25V	
*****				C1523	1-102-978-00	CERAMIC 220PF 5% 50V	
CAPACITOR				C1524	1-106-379-12	MYLAR 0.033MF 10% 200V	
C501	1-123-380-00	ELECT 1MF 20% 50V		C1525	1-162-117-00	CERAMIC 100PF 10% 500V	
C502	1-108-622-91	MYLAR 0.0047MF 10% 100V		C1526	1-102-157-00	CERAMIC 560PF 10% 500V	
C503	1-108-618-91	MYLAR 0.0022MF 10% 100V		C1527	1-102-038-00	CERAMIC 0.001MF 500V	
C504	1-123-323-00	ELECT 470MF 20% 16V		C1528	1-106-379-12	MYLAR 0.033MF 10% 200V	
C505	1-123-379-00	ELECT 0.47MF 20% 50V		C1529	1-102-820-00	CERAMIC 330PF 5% 50V	
C506	1-123-318-00	ELECT 33MF 20% 16V		C1530	1-123-361-00	ELECT 220MF 20% 50V	
C507	1-123-379-00	ELECT 0.47MF 20% 50V		C1531	1-125-294-00	ELECT(BLOCK) 560MF 20% 160V	
C508	1-136-173-00	FILM 0.47MF 5% 50V		C1532	1-124-006-11	ELECT 10MF 20% 25V	
C509	1-123-357-00	ELECT 22MF 20% 50V		C1533A	1-162-115-51	CERAMIC 330PF 10% 2KV	
C512	1-136-162-00	FILM 0.056MF 5% 50V		C1534A	1-136-330-11	FILM 0.014MF 3% 1.6KV	
C514	1-124-609-11	ELECT 470MF 10% 50V		C1535	1-129-953-00	FILM 0.068MF 20% 1.5KV	
C515	1-124-625-11	ELECT 22MF 10% 50V		C1536	1-123-333-00	ELECT 100MF 20% 16V	
C516	1-123-336-00	ELECT 470MF 20% 25V		C1537	1-123-333-00	ELECT 100MF 20% 16V	
C520	1-102-244-00	CERAMIC 220PF 10% 500V		C1539A	1-162-116-11	CERAMIC 680PF 10% 2KV	
C521	1-123-364-00	ELECT 1000MF 20% 50V		C1540	1-162-115-00	CERAMIC 330PF 10% 2KV	
C522	1-123-875-91	ELECT 10MF 20% 50V		C1541	1-108-630-91	MYLAR 0.022MF 10% 100V	
C523	1-106-387-00	MYLAR 0.1MF 10% 200V		C1542	1-136-179-00	FILM 1.5MF 5% 200V	
C524	1-106-381-12	MYLAR 0.039MF 10% 200V		C1543	1-102-820-00	CERAMIC 330PF 5% 50V	
C525	1-102-244-00	CERAMIC 220PF 10% 500V		C1544	1-136-328-11	FILM 1MF 5% 400V	
C526	1-124-342-00	ELECT 3.3MF 20% 160V		C1549	1-106-367-00	MYLAR 0.01MF 10% 100V	
C527	1-108-694-81	MYLAR 0.015MF 10% 200V		C1550	1-102-973-00	CERAMIC 100PF 5% 50V	
C528	1-162-318-11	CERAMIC 0.001MF 10% 500V		C1551	1-102-030-00	CERAMIC 330PF 10% 500V	
C531	1-123-379-00	ELECT 0.47MF 20% 50V		C1552	1-106-367-00	MYLAR 0.01MF 10% 100V	
C545	1-123-330-00	ELECT 22MF 20% 25V		C1553	1-123-379-00	ELECT 0.47MF 20% 50V	
C546	1-123-381-00	ELECT 2.2MF 20% 50V		C1554	1-106-367-00	MYLAR 0.01MF 10% 100V	
C547	1-123-333-00	ELECT 100MF 20% 25V		C1555	1-102-110-00	CERAMIC 220PF 10% 50V	
C548	1-123-321-00	ELECT 220MF 20% 16V		C1556	1-123-333-00	ELECT 100MF 20% 25V	
				C1557	1-108-622-91	MYLAR 0.0047MF 10% 100V	
				C1558	1-123-330-00	ELECT 22MF 20% 16V	
				C1559	1-123-379-00	ELECT 0.47MF 20% 50V	
				C1560	1-123-379-00	ELECT 0.47MF 20% 50V	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C1565	1-106-220-00	MYLAR 0.1MF 10%	100V	D510	8-719-109-88	DIODE RD5.6ES-B1	
C1566	1-162-115-51	CERAMIC 330PF 10%	2KV	D511	8-719-815-55	DIODE 1S1555	
C1567	1-162-115-51	CERAMIC 330PF 10%	2KV	D513	8-719-110-38	DIODE RD15ES-B	
C1568	1-130-706-11	FILM 0.008MF 3%	1.6KV	D520	8-719-190-00	DIODE RD24E-BZ7	
C1569	1-129-747-11	FILM 0.047MF 10%	400V	D521	8-719-815-55	DIODE 1S1555	
C1570	1-129-751-00	FILM 0.1MF 20%	400V	D522	8-719-101-61	DIODE RD6.2E-L2	
C1571	1-102-030-00	CERAMIC 330PF 10%	500V	D1502	8-719-815-55	DIODE 1S1555	
C1572	1-123-321-00	ELECT 220MF 20%	16V	D1503	8-719-110-38	DIODE RD15ES-B	
C1576	1-123-332-00	ELECT 47MF 20%	25V	D1508	8-719-815-55	DIODE 1S1555	
C1577	1-123-318-00	ELECT 33MF 20%	16V	D1509	8-719-200-02	DIODE 10E2	
C1578	1-108-630-91	MYLAR 0.022MF 10%	100V	D1510	8-719-300-76	DIODE RH1A	
C1579	1-106-220-00	MYLAR 0.1MF 10%	100V	D1511	8-719-300-76	DIODE RH1A	
C1585	1-123-357-00	ELECT 22MF 20%	50V	D1512	8-719-300-76	DIODE RH1A	
C1586	1-108-621-91	MYLAR 0.0039MF 10%	100V	D1513	8-719-901-19	DIODE V11N	
C1587	1-131-351-00	TANTALUM 4.7MF 10%	35V	D1515	8-719-200-02	DIODE 10E2	
C1591	1-124-005-11	ELECT 4.7MF 20%	50V	D1516	8-719-903-09	DIODE V30N	
C1592	1-106-367-00	MYLAR 0.01MF 10%	200V	D1517A	8-719-906-15	DIODE ERC26-15S	
C1593	1-136-171-00	FILM 0.33MF 5%	50V	D1517BA	8-719-906-15	DIODE ERC26-15S	
C1595	1-123-381-00	ELECT 2.2MF 20%	50V	D1518AA	8-719-928-08	DIODE ERD28-08S	
C1596	1-123-369-00	ELECT 4.7MF 20%	50V	D1518BA	8-719-928-08	DIODE ERD28-08S	
C1597	1-136-175-00	FILM 0.68MF 5%	50V	D1525	8-719-815-55	DIODE 1S1555	
C1598	1-102-816-00	CERAMIC 120PF 5%	50V	D1527	8-719-300-76	DIODE RH1A	
C1599	1-106-367-00	MYLAR 0.01MF 10%	100V	D1528	8-719-926-16	DIODE ERC26-15SA	
C1601	1-106-367-00	MYLAR 0.01MF 10%	100V	D1529	8-719-300-76	DIODE RH1A	
C1602	1-106-367-00	MYLAR 0.01MF 10%	100V	D1530	8-719-300-76	DIODE RH1A	
C1603	1-106-367-00	MYLAR 0.01MF 10%	100V	D1531	8-719-300-38	DIODE GU-3A	
C1604	1-106-367-00	MYLAR 0.01MF 10%	100V	D1535	8-719-110-60	DIODE RD24ES-B	
C1605	1-123-381-00	ELECT 2.2MF 20%	50V	D1536	8-719-102-65	DIODE RD4.7E-N2	
C1606	1-123-985-00	ELECT 1000MF 20%	16V	D1537	8-719-102-74	DIODE RD6.2E-N2	
C1607	1-136-162-00	FILM 0.056MF 5%	50V	D1538	8-719-815-55	DIODE 1S1555	
<u>CONNECTOR</u>				D1540	8-719-102-71	DIODE RD5.6E-N2	
D1	*1-508-766-00	4P PLUG (M)		D1541	8-719-300-76	DIODE RH1A	
D2	*1-566-055-11	PIN, CONNECTOR 3P		<u>IC</u>			
D3	*1-566-054-11	PIN, CONNECTOR 2P		IC501	8-759-178-12	IC UPC78L12	
D4	*1-508-767-00	5P PLUG		IC503	8-759-178-12	IC UPC78L12	
D5	*1-506-348-XX	4P PLUG		IC1501	8-759-100-60	IC UPC1377C	
D6	*1-508-767-00	5P PLUG		IC1502	8-759-700-08	IC NJM4558S	
D7	*1-566-056-11	PIN, CONNECTOR 4P		IC1503	8-759-700-08	IC NJM4558S	
D8	*1-508-765-00	3P PLUG (M)		<u>COIL</u>			
D9	*1-508-765-00	3P PLUG (M)		L501	1-459-060-00	COIL, DYNAMIC CONVERSION CHOKE	
D10	*1-508-768-00	6P PLUG		L1501	1-407-364-00	COIL, SPOOK CHOKE 3.3UH	
D11	*1-508-768-00	6P PLUG		L1502	1-459-215-00	CORE COIL	
D12	*1-566-055-11	PIN, CONNECTOR 3P		L1503	1-407-365-00	COIL, CHOKE	
D15	*1-566-058-11	PIN, CONNECTOR 6P		L1504	1-407-365-00	COIL, CHOKE	
D27	*1-566-058-11	PIN, CONNECTOR 6P		L1505	1-407-365-00	COIL, CHOKE	
D28	*1-566-057-11	PIN, CONNECTOR 5P		L1506	1-459-104-00	COIL, DUST CORE	
<u>DIODE</u>				L1507	1-407-365-00	COIL, CHOKE	
D501	8-719-815-55	DIODE 1S1555		L1508A	1-421-390-11	COIL, FERRITE (PMC)	
D502	8-719-200-02	DIODE 10E2		L1510	1-407-365-00	COIL, CHOKE	
D503	8-719-300-76	DIODE RH1A		L1511	1-407-365-00	COIL, CHOKE	
D504	8-719-300-76	DIODE RH1A		L1512A	1-459-308-31	COIL, HORIZONTAL LINEARITY	
D506	8-719-200-02	DIODE 10E2					
D508	8-719-110-34	DIODE RD13ES-B					

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**D**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>IC LINK</u>				R506	1-249-435-11	CARBON 33K 5% 1/6W	
PS501	1-532-727-11	LINK, IC		R507	1-249-424-11	CARBON 3.9K 5% 1/6W	
<u>TRANSISTOR</u>				R508	1-247-726-11	CARBON 33K 5% 1/4W	
Q501	8-729-178-54	TRANSISTOR 2SC2785		R509	1-249-428-11	CARBON 8.2K 5% 1/6W	
Q502	8-729-178-54	TRANSISTOR 2SC2785		R510	1-249-431-11	CARBON 15K 5% 1/6W	
Q503	8-729-117-54	TRANSISTOR 2SA1175		R511	1-249-432-11	CARBON 18K 5% 1/6W	
Q505	8-729-117-54	TRANSISTOR 2SA1175		R512	1-247-158-00	CARBON 13K 5% 1/4W	
Q506	8-729-178-54	TRANSISTOR 2SC2785		R513	1-249-430-11	CARBON 12K 5% 1/6W	
Q510	8-729-195-82	TRANSISTOR 2SC2958		R514	1-215-466-00	CARBON 75K 5% 1/6W	
Q511	8-729-122-02	TRANSISTOR 2SA1220A		R515	1-249-468-11	CARBON 82K 5% 1/4W	
Q512	8-729-169-02	TRANSISTOR 2SC2690A		R516	1-247-713-11	CARBON 1K 5% 1/4W	
Q515	8-729-117-54	TRANSISTOR 2SA1175		R517	1-249-420-11	CARBON 1.8K 5% 1/6W	
Q516	8-729-177-43	TRANSISTOR 2SD774		R518	1-247-721-11	CARBON 4.7K 5% 1/4W	
Q518	8-729-178-54	TRANSISTOR 2SC2785		R519	1-247-715-11	CARBON 1.5K 5% 1/4W	
Q522	8-729-117-54	TRANSISTOR 2SA1175		R520	1-249-429-11	CARBON 10K 5% 1/6W	
Q523	8-729-117-54	TRANSISTOR 2SA1175		R521	1-249-434-11	CARBON 27K 5% 1/6W	
Q1501	8-729-117-54	TRANSISTOR 2SA1175		R522	1-249-438-11	CARBON 56K 5% 1/6W	
Q1503	8-729-203-81	TRANSISTOR 2SC22388		R523	1-214-765-00	METAL 33K 1% 1/4W	
Q1504	8-729-301-74	TRANSISTOR 2SD1497-04		R525	1-216-353-00	METAL OXIDE 2.2 5% 1W	F
	4-374-410-01	SPACER, MICA; Q1504		R526	1-249-423-11	CARBON 3.3K 5% 1/6W	
	*4-374-413-01	RETAINER (A), TR; Q1504		R527	1-249-420-11	CARBON 1.8K 5% 1/6W	
Q1505	8-729-177-43	TRANSISTOR 2SD774		R528	1-249-413-11	CARBON 470 5% 1/6W	
Q1506	8-729-103-43	TRANSISTOR 2SB734		R529	1-249-414-11	CARBON 560 5% 1/6W	
Q1507	8-726-420-00	THYRISTOR SG-264A		R530	1-247-705-11	CARBON 270 5% 1/4W	
	3-703-320-00	BUSHING (A), TRANSISTOR; Q1507		R536	1-249-393-11	CARBON 10 5% 1/6W	F
	4-303-844-00	SPACER, MICA (4) MD-17; Q1507		R537	1-249-399-11	CARBON 33 5% 1/6W	F
	*4-309-762-00	RETAINER (MD-17), TRANSISTOR; Q1507		R538	1-215-869-11	METAL OXIDE 1K 5% 1W	F
Q1508	8-729-301-74	TRANSISTOR 2SD1497-04		R539	1-216-350-11	METAL OXIDE 1.2 5% 1W	F
	4-374-410-01	SPACER, MICA; Q1508		R540	1-249-405-11	CARBON 100 5% 1/6W	F
	*4-374-413-01	RETAINER (A), TR; Q1508		R541	1-216-350-11	METAL OXIDE 1.2 5% 1W	F
Q1511	8-729-103-43	TRANSISTOR 2SB734		R542	1-215-865-11	METAL OXIDE 220 5% 1W	F
Q1512	8-729-117-54	TRANSISTOR 2SA1175		R543	1-249-382-11	CARBON 1.2 5% 1/6W	F
Q1513	8-729-178-54	TRANSISTOR 2SC2785		R544	1-215-869-11	METAL OXIDE 1K 5% 1W	F
Q1514	8-729-178-54	TRANSISTOR 2SC2785		R546	1-247-715-11	CARBON 1.5K 5% 1/4W	
Q1515	8-729-178-54	TRANSISTOR 2SC2785		R551	1-216-432-00	METAL OXIDE 820 5% 1W	F
Q1520	8-729-168-82	TRANSISTOR 2SC2688		R552	1-247-720-11	CARBON 3.9K 5% 1/4W	
	4-377-115-01	SPACER, MICA; Q1520		R553	1-215-891-11	METAL OXIDE 680 5% 2W	F
	*4-381-170-01	HOLDER, TR; Q1520		R554	1-247-721-11	CARBON 4.7K 5% 1/4W	
Q1521	8-729-900-36	TRANSISTOR DTC124ES		R557	1-247-725-11	CARBON 10K 5% 1/4W	
Q1522	8-729-900-36	TRANSISTOR DTC124ES		R558	1-249-427-11	CARBON 6.8K 5% 1/6W	
Q1523	8-729-900-36	TRANSISTOR DTC124ES		R560	1-249-417-11	CARBON 1K 5% 1/6W	
Q1524	8-729-900-36	TRANSISTOR DTC124ES		R561	1-247-708-11	CARBON 470 5% 1/4W	
Q1525	8-729-900-36	TRANSISTOR DTC124ES		R562	1-247-704-11	CARBON 220 5% 1/4W	
Q1526	8-729-900-36	TRANSISTOR DTC124ES		R563	1-247-704-11	CARBON 220 5% 1/4W	
<u>RESISTOR</u>				R564	1-247-711-11	CARBON 680 5% 1/4W	
R501	1-215-485-00	CARBON 470K 5% 1/6W		R581	1-249-427-11	CARBON 6.8K 5% 1/6W	
R502	1-249-427-11	CARBON 6.8K 5% 1/6W		R582	1-249-441-11	CARBON 100K 5% 1/6W	
R503	1-249-425-11	CARBON 4.7K 5% 1/6W		R593	1-215-926-00	METAL OXIDE 33K 5% 3W	F
R504	1-249-429-11	CARBON 10K 5% 1/6W		R593A	1-215-926-00	METAL OXIDE 33K 5% 3W	F
R505	1-249-421-11	CARBON 2.2K 5% 1/6W		R594	1-249-460-11	CARBON 15K 5% 1/4W	
				R595	1-249-431-11	CARBON 15K 5% 1/6W	
				R596	1-246-488-00	CARBON 4.3K 5% 1/4W	
				R597	1-249-461-11	CARBON 18K 5% 1/4W	
				R598	1-214-750-00	METAL 7.5K 1% 1/4W	

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R599	1-214-741-00	METAL	3.3K 1% 1/4W	R1563	1-249-422-11	CARBON	2.7K 5% 1/6W
R1501	1-249-411-11	CARBON	330 5% 1/6W	R1564	1-249-405-11	CARBON	100 5% 1/6W F
R1502	1-247-723-11	CARBON	6.8K 5% 1/4W	R1565	1-249-462-11	CARBON	22K 5% 1/4W
R1503	1-249-405-11	CARBON	100 5% 1/6W	R1566	1-249-439-11	CARBON	68K 5% 1/6W
R1504	1-249-435-11	CARBON	33K 5% 1/6W	R1567	1-249-435-11	CARBON	33K 5% 1/6W
R1505	1-249-436-11	CARBON	39K 5% 1/6W	R1568	1-247-713-11	CARBON	1K 5% 1/4W
R1506	1-247-894-00	CARBON	430K 5% 1/6W	R1571	1-249-382-11	CARBON	1.2 5% 1/6W F
R1507	1-249-462-11	CARBON	22K 5% 1/4W	R1572	1-249-448-11	CARBON	1.2 5% 1/4W F
R1508	1-249-429-11	CARBON	10K 5% 1/6W	R1573	1-249-382-11	CARBON	1.2 5% 1/6W F
R1509	1-249-405-11	CARBON	100 5% 1/6W	R1574	1-216-424-11	METAL OXIDE	39 5% 1W F
R1510	1-249-433-11	CARBON	22K 5% 1/6W	R1575	1-249-382-11	CARBON	1.2 5% 1/6W F
R1511	1-215-471-00	CARBON	120K 5% 1/6W	R1576	1-215-869-11	METAL OXIDE	1K 5% 1W F
R1512	1-249-440-11	CARBON	82K 5% 1/6W	R1577	1-249-425-11	CARBON	4.7K 5% 1/6W
R1513	1-249-423-11	CARBON	3.3K 5% 1/6W	R1578	1-202-723-00	SOLID	2.2M 10% 1/2W
R1514	1-247-868-00	CARBON	36K 5% 1/6W	R1579	1-247-718-11	CARBON	2.7K 5% 1/4W
R1516	1-249-430-11	CARBON	12K 5% 1/6W	R1580	1-249-439-11	CARBON	68K 5% 1/6W
R1518	1-249-429-11	CARBON	10K 5% 1/6W	R1581	1-249-441-11	CARBON	100K 5% 1/6W
R1520	1-249-435-11	CARBON	33K 5% 1/6W	R1582	1-249-429-11	CARBON	10K 5% 1/6W
R1521	1-247-701-11	CARBON	120 5% 1/4W	R1583	1-249-427-11	CARBON	6.8K 5% 1/6W
R1525	1-247-723-11	CARBON	6.8K 5% 1/4W	R1584	1-249-421-11	CARBON	2.2K 5% 1/6W
R1530	1-247-700-11	CARBON	100 5% 1/4W	R1585	1-247-713-11	CARBON	1K 5% 1/4W
R1531	1-247-713-11	CARBON	1K 5% 1/4W F	R1588	1-215-871-11	METAL OXIDE	2.2K 5% 1W F
R1532	1-215-922-11	METAL OXIDE	6.8K 5% 3W F	R1589	1-247-726-11	CARBON	33K 5% 1/4W
R1532A	1-215-922-11	METAL OXIDE	6.8K 5% 3W F	R1590	1-247-726-11	CARBON	33K 5% 1/4W
R1533	1-247-721-11	CARBON	4.7K 5% 1/4W	R1592	1-214-779-00	METAL	120K 1% 1/4W
R1534	1-215-918-00	METAL OXIDE	1.5K 5% 3W F	R1593	1-214-781-00	METAL	150K 1% 1/4W
R1534A	1-216-482-11	METAL OXIDE	1.8K 5% 3W F	R1594	1-247-722-11	CARBON	5.6K 5% 1/4W
R1535	1-216-388-11	METAL OXIDE	0.82 5% 3W F	R1595	1-214-777-00	METAL	100K 1% 1/4W
R1536	1-247-697-11	CARBON	56 5% 1/4W	R1597	1-214-752-00	METAL	9.1K 1% 1/4W
R1537	1-249-385-11	CARBON	2.2 5% 1/6W F	R1598	1-214-749-00	METAL	6.8K 1% 1/4W
R1538	1-249-385-11	CARBON	2.2 5% 1/6W F	R1599	1-215-473-00	CARBON	150K 5% 1/6W
R1539	1-216-434-11	METAL OXIDE	1.8K 5% 1W F	R1600	1-249-405-11	CARBON	100 5% 1/6W
R1541	1-215-915-11	METAL OXIDE	470 5% 3W F	R1601	1-246-531-00	CARBON	270K 5% 1/4W
R1541A	1-216-479-11	METAL OXIDE	560 5% 3W F	R1602	1-215-477-00	CARBON	220K 5% 1/6W
R1542	1-215-880-00	METAL OXIDE	10 5% 2W F	R1603	1-247-725-11	CARBON	10K 5% 1/4W
R1543	1-215-869-11	METAL OXIDE	1K 5% 1W F	R1604	1-247-725-11	CARBON	10K 5% 1/4W
R1544	1-216-448-11	METAL OXIDE	39 5% 2W F	R1605	1-247-725-11	CARBON	10K 5% 1/4W
R1545	1-247-693-11	CARBON	27 5% 1/4W	R1606	1-247-725-11	CARBON	10K 5% 1/4W
R1546	1-216-371-00	METAL OXIDE	1.5 5% 2W F	R1607	1-247-725-11	CARBON	10K 5% 1/4W
R1547	1-247-697-11	CARBON	56 5% 1/4W	R1608	1-249-469-11	CARBON	100K 5% 1/4W
R1548	1-249-382-11	CARBON	1.2 5% 1/6W F	R1609	1-249-433-11	CARBON	22K 5% 1/6W
R1549	1-249-382-11	CARBON	1.2 5% 1/6W F	R1610	1-247-725-11	CARBON	10K 5% 1/4W
R1552	1-247-725-11	CARBON	10K 5% 1/4W	R1611	1-249-433-11	CARBON	22K 5% 1/6W
R1553	1-249-425-11	CARBON	4.7K 5% 1/6W F	R1612	1-249-422-11	CARBON	2.7K 5% 1/6W
R1554	1-247-705-11	CARBON	270 5% 1/4W	R1613	1-249-451-11	CARBON	2.2 5% 1/4W F
R1555	1-249-465-11	CARBON	47K 5% 1/4W	R1614	1-247-700-11	CARBON	100 5% 1/4W
R1556	1-249-425-11	CARBON	4.7K 5% 1/6W	VARIABLE RESISTOR			
R1557	1-249-429-11	CARBON	10K 5% 1/6W	RV501	1-228-717-00	RES, ADJ, CERAMIC CARBON	220
R1558	1-249-425-11	CARBON	4.7K 5% 1/6W	RV503	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R1559	1-249-417-11	CARBON	1K 5% 1/6W	RV1501	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K
R1560	1-247-862-00	CARBON	20K 5% 1/6W	RV1503	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1561	1-214-746-00	METAL	5.1K 1% 1/4W	RV1505	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1562	1-247-713-11	CARBON	1K 5% 1/4W				

D

# HD

HC

# K

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.



K

HA

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C237	1-102-074-00	CERAMIC 0.001MF	10% 50V	R222	1-249-429-11	CARBON 10K 5%	1/6W
C238	1-102-074-00	CERAMIC 0.001MF	10% 50V	R223	1-249-432-11	CARBON 18K 5%	1/6W
C239	1-101-006-00	CERAMIC 0.047MF	50V	R224	1-249-437-11	CARBON 47K 5%	1/6W
C240	1-101-006-00	CERAMIC 0.047MF	50V	R225	1-249-409-11	CARBON 220 5%	1/6W
C241	1-101-006-00	CERAMIC 0.047MF	50V	R227	1-249-430-11	CARBON 12K 5%	1/6W
C242	1-125-296-00	ELECT(BLOCK) 4700MF	35V	R228	1-249-390-11	CARBON 5.6 5%	1/6W F
C243	1-125-296-00	ELECT(BLOCK) 4700MF	35V	R229	1-249-429-11	CARBON 10K 5%	1/6W
C244	1-123-332-00	ELECT 47MF	20% 16V	R230	1-249-432-11	CARBON 18K 5%	1/6W
C246	1-123-356-00	ELECT 10MF	20% 16V	R231	1-249-437-11	CARBON 47K 5%	1/6W
C251	1-123-356-00	ELECT 10MF	20% 25V	R232	1-249-409-11	CARBON 220 5%	1/6W
C252	1-123-875-91	ELECT 10MF	20% 50V	R234	1-249-430-11	CARBON 12K 5%	1/6W
<u>DIODE</u>				R235	1-249-390-11	CARBON 5.6 5%	1/6W F
D201	8-719-109-93	DIODE RD6.2ES-B2		R236	1-249-429-11	CARBON 10K 5%	1/6W
D202	8-719-911-19	DIODE 1SS119		R237	1-249-429-11	CARBON 10K 5%	1/6W
D203	8-719-110-36	DIODE RD13ES-B2		R238	1-249-423-11	CARBON 3.3K 5%	1/6W
D204	8-719-110-36	DIODE RD13ES-B2		R239	1-249-437-11	CARBON 47K 5%	1/6W
<u>IC</u>				R240	1-249-430-11	CARBON 12K 5%	1/6W
IC201	8-759-276-30	IC TA7630P		R241	1-249-441-11	CARBON 100K 5%	1/6W
IC204	8-759-111-88	IC UPC1188H		R242	1-249-429-11	CARBON 10K 5%	1/6W
IC205	8-759-111-88	IC UPC1188H		R243	1-249-417-11	CARBON 1K 5%	1/6W
<u>CONNECTOR</u>				R244	1-249-417-11	CARBON 1K 5%	1/6W
K1	*1-566-057-11	PIN, CONNECTOR 5P		R245	1-249-417-11	CARBON 1K 5%	1/6W
K2	*1-508-767-00	5P PLUG		R246	1-249-417-11	CARBON 1K 5%	1/6W
K3	*1-566-056-11	PIN, CONNECTOR 4P		R252	1-249-419-11	CARBON 1.5K 5%	1/6W
K4	*1-566-054-11	PIN, CONNECTOR 2P		R257	1-249-423-11	CARBON 3.3K 5%	1/6W
K5	*1-508-765-00	3P PLUG (M)		*****			
K7	*1-566-054-11	PIN, CONNECTOR 2P		*9-992-247-01 HA BOARD (KEY BOARD UNIT A)			
<u>COIL</u>				*****			
L201	1-408-424-00	MICRO INDUCTOR 180UH		<u>DIODE</u>			
<u>TRANSISTOR</u>				D905	8-719-911-19	DIODE 1SS119	
Q201	8-729-178-54	TRANSISTOR 2SC2785		D906	8-719-911-19	DIODE 1SS119	
Q204	8-729-178-54	TRANSISTOR 2SC2785		D907	8-719-911-19	DIODE 1SS119	
Q205	8-729-178-54	TRANSISTOR 2SC2785		D908	8-719-911-19	DIODE 1SS119	
Q206	8-729-117-54	TRANSISTOR 2SA1175		D909	8-719-911-19	DIODE 1SS119	
Q209	8-729-117-54	TRANSISTOR 2SA1175		D910	8-719-911-19	DIODE 1SS119	
Q211	8-729-177-43	TRANSISTOR 2SD774		D911	9-990-893-01	LED TLY263P	
<u>RESISTOR</u>				D912	9-990-893-01	LED TLY263P	
R201	1-249-441-11	CARBON 100K 5%	1/6W	D913	9-990-893-01	LED TLY263P	
R202	1-249-441-11	CARBON 100K 5%	1/6W	D914	9-990-893-01	LED TLY263P	
R203	1-249-419-11	CARBON 1.5K 5%	1/6W	D915	9-990-893-01	LED TLY263P	
R204	1-249-429-11	CARBON 10K 5%	1/6W	D916	9-990-893-01	LED TLY263P	
R205	1-249-430-11	CARBON 12K 5%	1/6W	D917	9-990-893-01	LED TLY263P	
R206	1-249-430-11	CARBON 12K 5%	1/6W	D918	9-990-893-01	LED TLY263P	
R207	1-249-419-11	CARBON 1.5K 5%	1/6W	D919	9-990-893-01	LED TLY263P	
R208	1-249-419-11	CARBON 1.5K 5%	1/6W	D920	9-990-893-01	LED TLY263P	
R211	1-249-420-11	CARBON 1.8K 5%	1/6W	D921	9-990-893-01	LED TLY263P	
R221	1-249-403-11	CARBON 68 5%	1/6W F	D922	9-990-893-01	LED TLY263P	
				D923	9-990-893-01	LED TLY263P	
				D924	9-990-893-01	LED TLY263P	
				D925	9-990-893-01	LED TLY263P	
				D926	9-990-893-01	LED TLY263P	

HA

HB

N

Ref.No.	Part No.	Description
D927	9-990-893-01	LED TLY263P
D928	9-990-893-01	LED TLY263P
D929	9-990-893-01	LED TLY263P
D930	9-990-893-01	LED TLY263P
D931	9-990-893-01	LED TLY263P

RESISTOR

R905	1-247-700-11	CARBON	100	5%	1/4W
R906	1-247-704-11	CARBON	220	5%	1/4W
R907	1-247-700-11	CARBON	100	5%	1/4W
R908	1-247-704-11	CARBON	220	5%	1/4W
R909	1-247-700-11	CARBON	100	5%	1/4W
R910	1-247-704-11	CARBON	220	5%	1/4W
R911	1-247-700-11	CARBON	100	5%	1/4W
R912	1-247-704-11	CARBON	220	5%	1/4W
R913	1-247-700-11	CARBON	100	5%	1/4W
R914	1-247-704-11	CARBON	220	5%	1/4W
R915	1-247-700-11	CARBON	100	5%	1/4W
R916	1-247-704-11	CARBON	220	5%	1/4W
R917	1-247-704-11	CARBON	220	5%	1/4W
R918	1-247-704-11	CARBON	220	5%	1/4W
R919	1-247-704-11	CARBON	220	5%	1/4W

SWITCH

S905	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S906	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S907	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S908	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S909	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S910	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S911	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S912	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S913	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S914	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S915	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)

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\*9-992-243-01 HB BOARD (KEY BOARD UNIT B)  
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DIODE

D940	8-719-911-19	DIODE 1SS119
D941	8-719-911-19	DIODE 1SS119
D942	8-719-911-19	DIODE 1SS119
D943	8-719-911-19	DIODE 1SS119
D944	8-719-911-19	DIODE 1SS119
D945	8-719-911-19	DIODE 1SS119
D946	8-719-911-19	DIODE 1SS119
D947	8-719-911-19	DIODE 1SS119
D948	9-990-901-01	LED TLS263P
D949	9-990-901-01	LED TLS263P
D950	9-990-893-01	LED TLY263P
D951	9-990-893-01	LED TLY263P

Remark	Ref.No.	Part No.	Description	Remark
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D952	9-990-893-01	LED TLY263P
D953	9-990-893-01	LED TLY263P
D954	9-990-893-01	LED TLY263P
D955	9-990-893-01	LED TLY263P
D956	9-990-893-01	LED TLY263P

D957	9-990-893-01	LED TLY263P
D958	9-990-893-01	LED TLY263P
D959	9-990-893-01	LED TLY263P
D960	9-990-893-01	LED TLY263P
D961	9-990-893-01	LED TLY263P

D962	9-990-893-01	LED TLY263P
D963	9-990-893-01	LED TLY263P
D964	9-990-893-01	LED TLY263P
D965	9-990-893-01	LED TLY263P
D968	9-990-901-01	LED TLS263P

RESISTOR

R940	1-247-703-11	CARBON	180	5%	1/4W
R941	1-247-700-11	CARBON	100	5%	1/4W
R942	1-247-704-11	CARBON	220	5%	1/4W
R943	1-247-700-11	CARBON	100	5%	1/4W
R944	1-247-704-11	CARBON	220	5%	1/4W
R945	1-247-700-11	CARBON	100	5%	1/4W
R946	1-247-700-11	CARBON	100	5%	1/4W
R947	1-247-700-11	CARBON	100	5%	1/4W
R948	1-247-700-11	CARBON	100	5%	1/4W
R949	1-247-700-11	CARBON	100	5%	1/4W
R950	1-247-700-11	CARBON	100	5%	1/4W
R951	1-247-700-11	CARBON	100	5%	1/4W

SWITCH

S940	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S941	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S942	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S943	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S944	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S945	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S946	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S947	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S948	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)
S949	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)

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\*9-990-898-01 N BOARD (KEY BOARD UNIT B)  
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IC

IC935	8-741-138-70	IC BX1387 (DETECTOR)
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Ref.No.	Part No.	Description	Remark
		MISCELLANEOUS *****	
	△1-230-712-21	RESISTOR ASSY, HIGH-VOLTAGE	
	△1-426-278-21	COIL, DEMAGNETIZATION	
	△1-451-255-22	DEFLECTION YOKE (SY-164)	
	1-452-032-00	MAGNET, DISK; 10MM φ	
	1-452-094-00	MAGNET, ROTATAB'LE DISK; 15MM φ	
	1-452-146-21	MAGNET, BMC	
	△1-452-351-22	NECK ASSY, CRT (NA302)	
	1-464-792-12	KEY BOARD UNIT (A)	
	1-464-793-12	KEY BOARD UNIT (B)	
	△1-534-820-13	POWER CORD (AEP, AUS ONLY)	
	△1-534-820-13	POWER CORD (WG ONLY)	
S1901	△1-554-966-12	SWITCH, PUSH (AC POWER)(1 KEY)	
T1691	△1-439-339-13	TRANSFORMER ASSY, FLYBACK	
V901	△8-736-652-05	CRT (A64JKJ10X)(AEP, WG ONLY)	
	△8-736-654-05	CRT (A64JKJ10X)(AUS ONLY)	

\*\*\*\*\*

ACCESSORIES AND PACKING MATERIALS  
\*\*\*\*\*

Part No.	Description	Remark
A-1470-789-A	COMMANDER ASSY (RM-668)	
*4-371-192-01	CUSHION (FRONT)	
*4-380-432-01	BAG, PROTECTION	
*4-382-051-01	CUSHION (LOWER) (ASSY)	
*4-382-053-01	CUSHION (UPPER) (ASSY)	
4-385-601-01	INDIVIDUAL CARTON	
4-482-400-11	MANUAL, INSTRUCTION	

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

# PVM-2730QM

RM-668

## SONY<sup>®</sup> SERVICE MANUAL

## SUPPLEMENT

### *AEP Model*

*Chassis No. SCC-A91A-A*

*Serial No 2,000,100 and later*

### *Australian Model*

*Chassis No. SCC-B04A-A*

*Serial No 2,000,601 and later*

### *West Germany Model*

*Chassis No. SCC-B05A-A*

*Serial No 2,000,301 and later*

No. 1

**SUBJECT : CIRCUIT MODIFICATION**

File this supplement with the service manual.

### INTRODUCTIONS

1. B, FA, FC, QB and K board have been added.
2. B, QA, QB, Dz and D board have been modified.

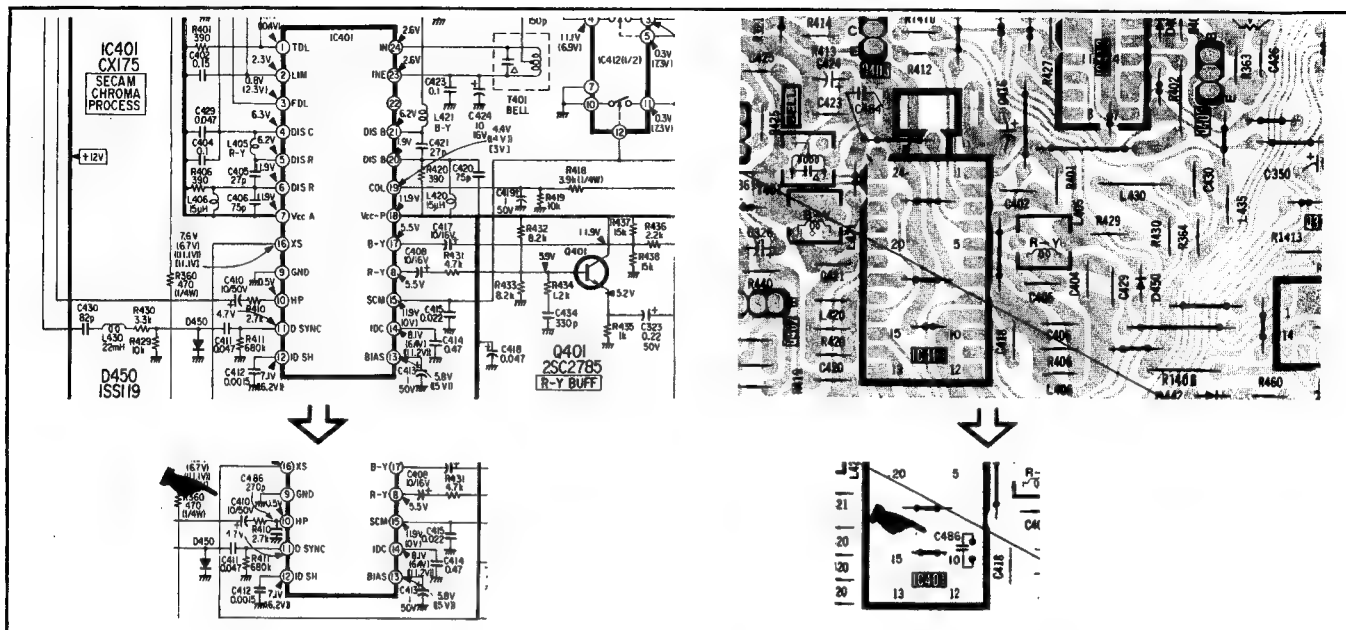


**MON**

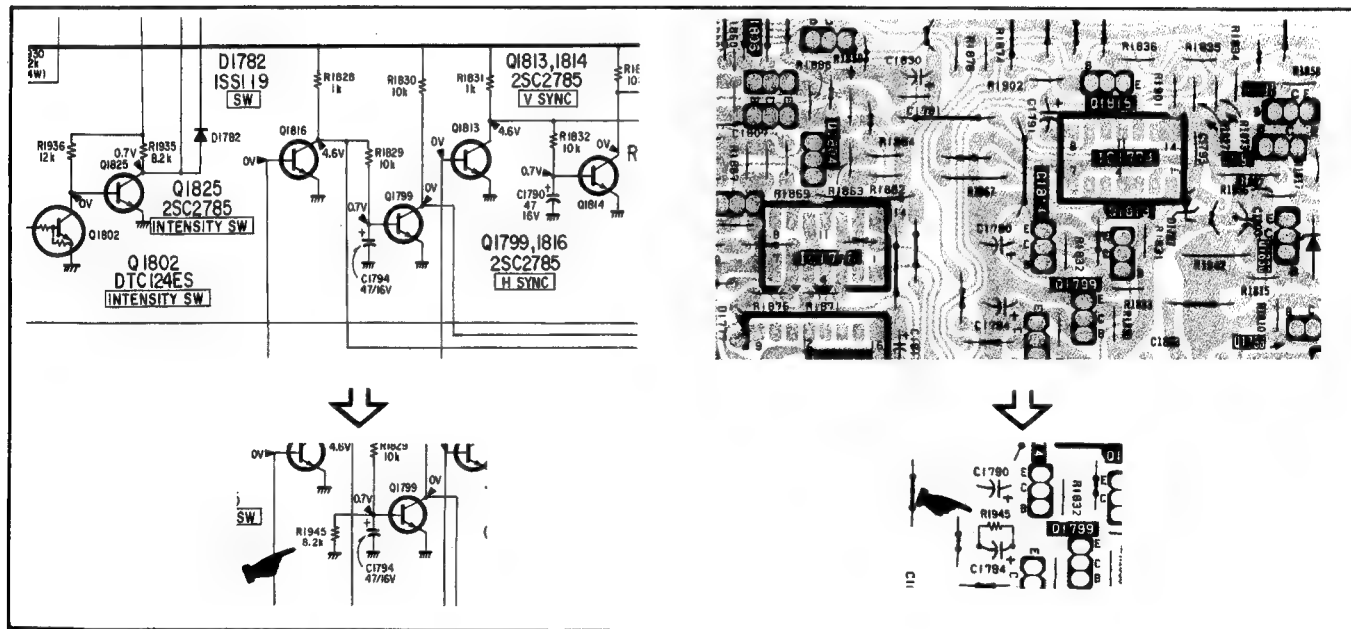
# SCHEMATIC DIAGRAM AND PRINTED WIRING BOARDS.

➡ : Added

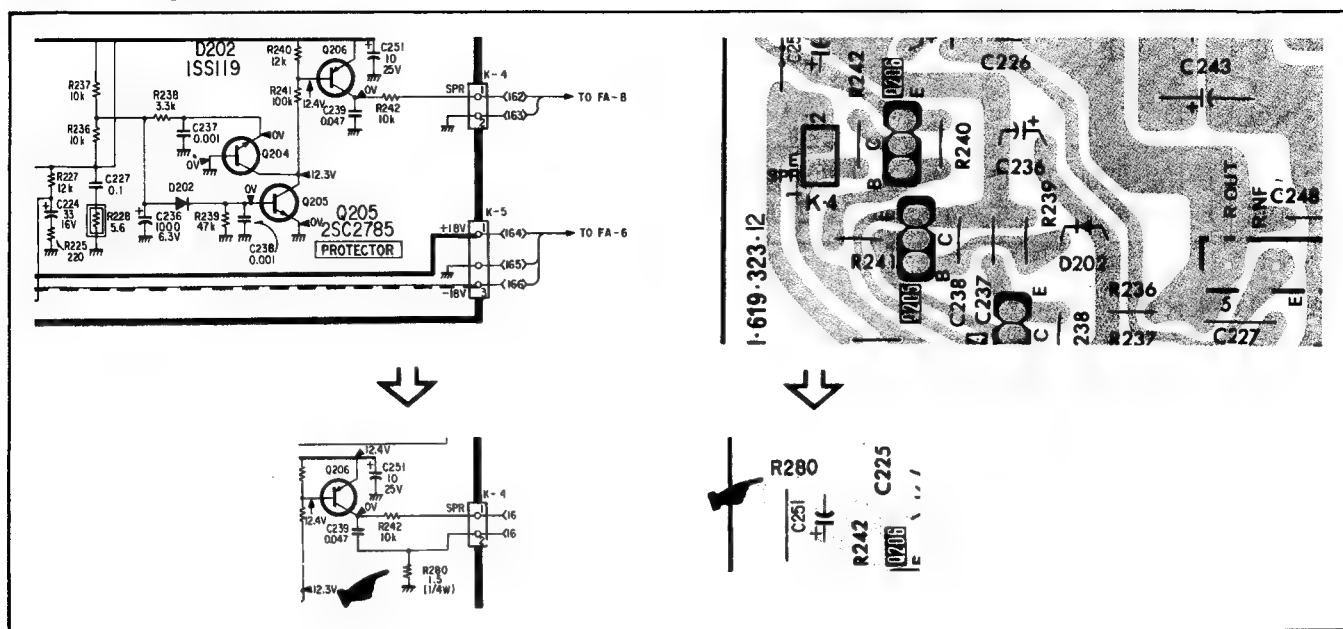
## B board (Page 43)



## QB board (Page 37)



## K board (Page 36)



## SCHEMATIC DIAGRAMS

## : Modified

Board	Page	Ref	Description
B	44	R310	CARBON 5.6 K 1/4W→22K 1/4W
QA	35	R1738	CARBON 1K 1/6W→220 1/4W
D <sub>2</sub>	55	R2525	CARBON 5.6 K 1/6W→1K 1/4W
D	52 52	C1505 R1513	MYLAR 0.002 MF 100V→0.01FM 100V CARBON 3.3 K 1/6W→4.7K 1/4W
QB	37	C1823 C1824 C1825	FILM 0.22MF 50V→0.1MF 50V FILM 0.22MF 50V→0.1MF 50V FILM 0.22MF 50V→0.1MF 50V

## : Delete

QA	35	C1730	CERAMIC 56PF 5% 50V
		C1733	CERAMIC 56PF 5% 50V
		C1734	CERAMIC 0.001 MF 50V
		C1737	CERAMIC 56PF 5% 50V
		C1739	CERAMIC 0.001 MF 50V
		C1740	CERAMIC 0.001 MF 50V
		C1741	CERAMIC 56PF 5% 50V
		C1751	CERAMIC 0.001 MF 50V



**ELECTRICAL PARTS LIST**

: Modified

**B BOARD**

C486	1-102-980-91	CERAMIC 270 PF 5% 50V
R310	1-249-462-11	CARBON 22K 5% 1/4W

**FA BOARD**

R679	1-215-924-51	METAL OXIDE 15K 5% 3W F
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**FC BOARD**

C615	1-102-074-91	CERAMIC 0.001 MF 10% 50V
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**QA BOARD**

R1738	1-249-409-11	CARBON 220 5% 1/4W
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**QB BOARD**

C1823	1-136-165-51	FILM 0.1 MF 5% 50V
C1824	1-136-165-51	FILM 0.1 MF 5% 50V
C1825	1-136-165-51	FILM 0.1 MF 5% 50V

**D<sub>2</sub> BOARD**

R2525	1-249-417-11	CARBON 1K 5% 1/4W
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**D BOARD**

C1505	1-106-367-00	MYLAR 0.01MF 10% 100V
R1513	1-249-425-11	CARBON 4.7 K 5% 1/4W

**K BOARD**

R280	1-249-449-11	CARBON 1.5 5% 1/4W
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# PVM-2730QM

## RM-668

# SONY SERVICE MANUAL

### *AEP Model*

*Chassis No. SCC-A91A-A*

*Serial No 2,000,100 and later*

### *Australian Model*

*Chassis No. SCC-B04A-A*

*Serial No 2,000,601 and later*

### *West Germany Model*

*Chassis No. SCC-B05A-A*

*Serial No 2,000,301 and later*

## SUPPLEMENT-2

**SUBJECT : CIRCUIT MODIFICATION**

File this supplement with the service manual.

### INTRODUCTION

1. D board have been added.

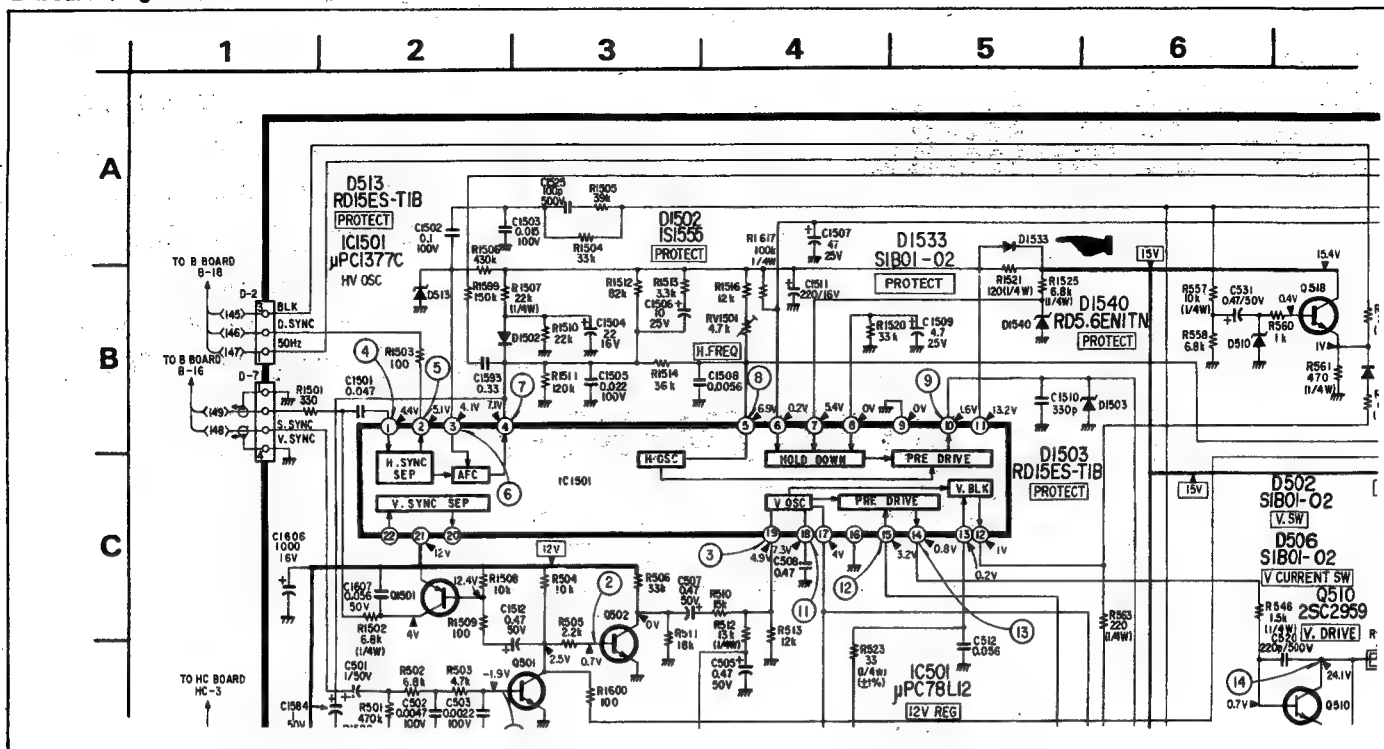


SECTION 5 DIAGRAMS

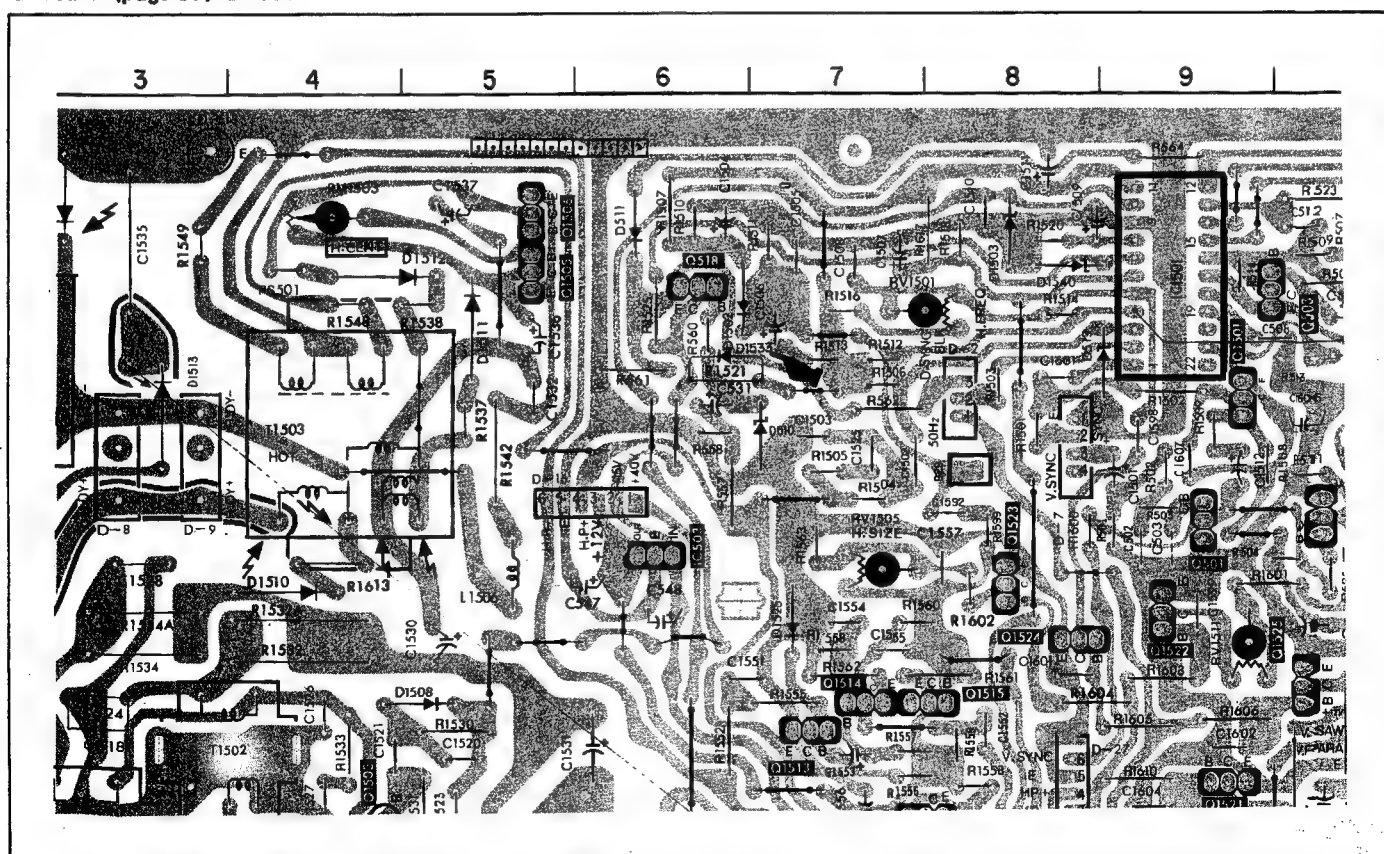
5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

added part

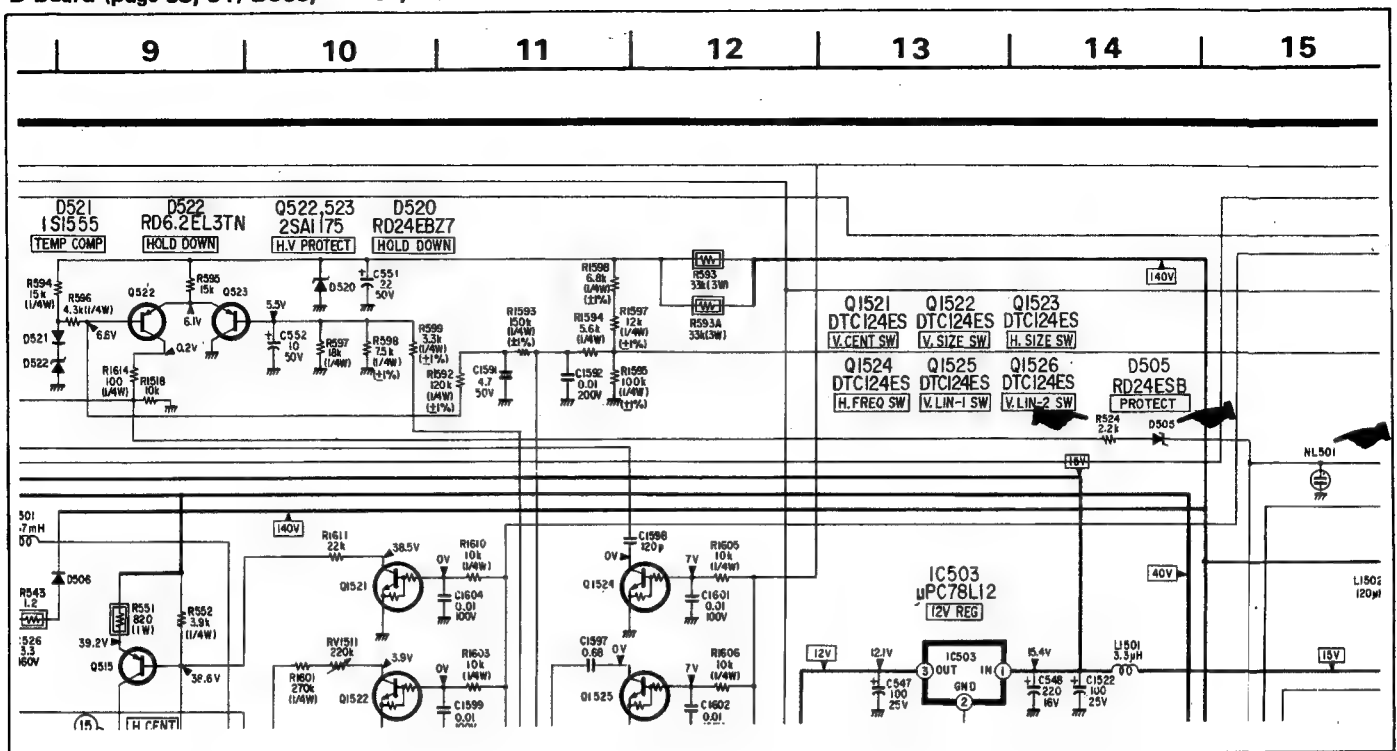
D board (Page 52) D1533



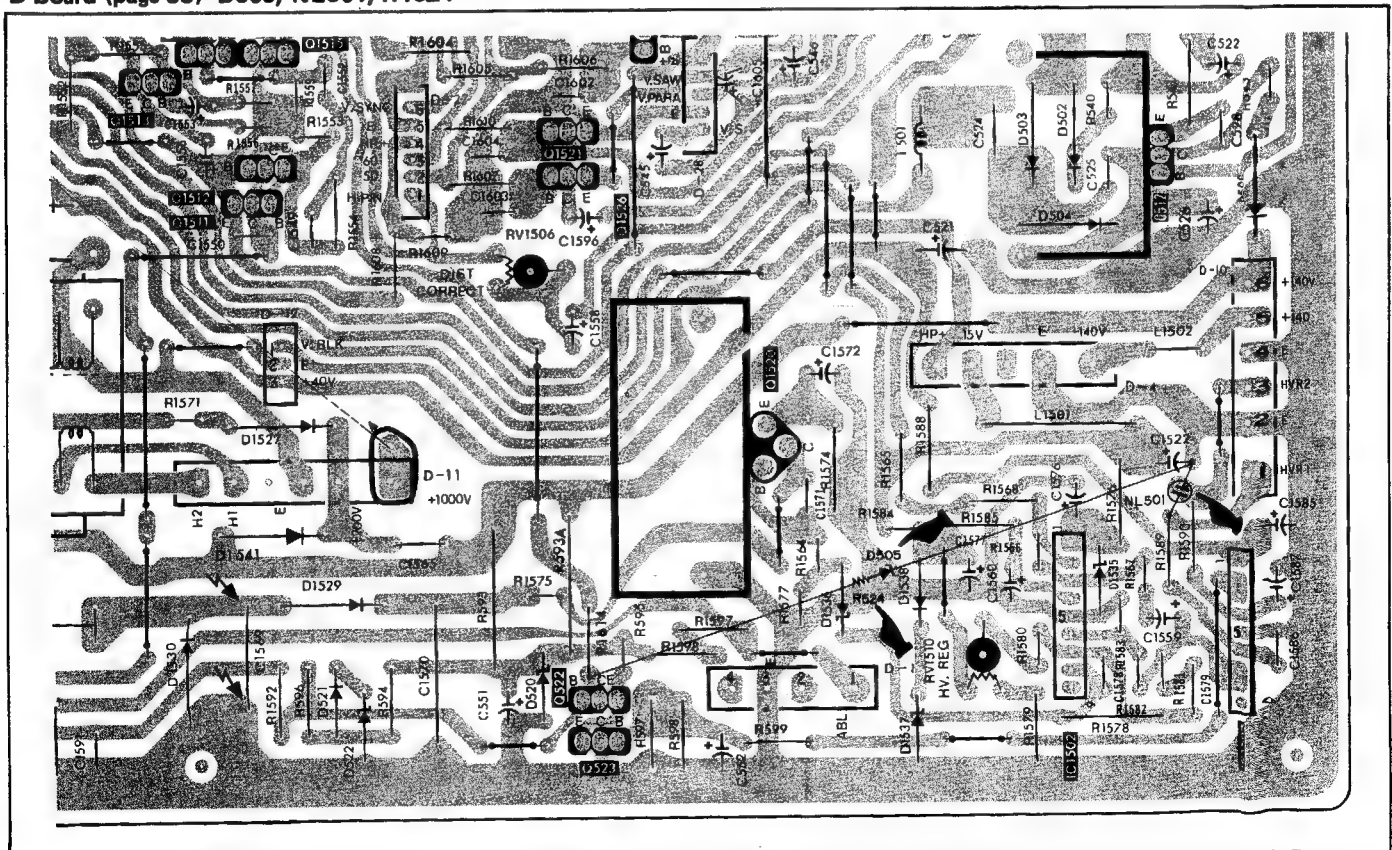
D board (page 57) D1533



**D board (page 53, 54) D505, NL501, R1524**



**D board (page 58) D505, NL501, R1524**



**SECTION 7 ELECTRICAL PARTS LIST**

Page	Board	Ref.No.	Part No.	Description
87	D	D505	8-719-110-60	DIODE RD24ESB
87		D1533	8-719-200-02	DIODE 10E-2
87		NL501	1-151-108-XX	LAMP, NEON
89		R1524	1-247-717-11	CARBON 2.2K 5% 1/4W

# PVM-2730QM

## RM-668

## SONY SERVICE MANUAL

### AEP Model

Serial No. 2,012,151 and later

Chassis No. SCC-A91A-A

### Australian Model

Serial No. 2,001,921 and later

Chassis No. SCC-B04A-A

### West Germany Model

Serial No. 2,004,151 and later

Chassis No. SCC-B05A-A

## SUPPLEMENT-3

File this Supplement with the Service Manual.

### SPECIFICATIONS

Color system	PAL, SECAM, NTSC and NTSC <sub>4.43</sub> systems, switched automatically
Picture tube	Trinitron tube Approx. 67.7 cm (27 inches) (63.5 cm picture measured diagonally) 114-degree deflection, AG pitch 0.73 mm
Resolution	Video input: 420 TV lines S video input: 560 TV lines RGB inputs: 640 × 200 dots (2000 characters)
Color temperature	9300°K
Frequency response	10 MHz (−3 dB, RGB) 5 MHz (−3 dB, composite video) 5 MHz (−3 dB, S video)
Horizontal linearity	Less than ±5%
Vertical linearity	Less than ±5%
Line pull range	Horizontal: + 500 Hz Vertical: −8 Hz
Overscan of the picture	Less than + 7%
LINE A/B, VTR inputs	
S VIDEO:	4-pin, mini-DIN Y (luminance signal); 1 Vp-p, sync negative, 75-ohm termination switchable C (chrominance signal); 300 m Vp-p (burst signal), 75-ohms
VIDEO IN:	LINE A/B: BNC connector Composite video, 1 Vp-p ±6 dB, sync negative, 75-ohm termination switchable VTR: 8-pin connector Composite video, 1 Vp-p ±6 dB, sync negative, 75-ohm terminated
AUDIO IN:	LINE A/B: Phono jack −5 dBs, more than 47 kilohms VTR: 8-pin connector, −5 dBs, more than 47 kilohms

LINE A/B outputs (loop-through outputs)	
S VIDEO:	4-pin, mini-DIN
VIDEO:	BNC connector
AUDIO:	Phono jack
Digital RGB inputs	RGB: D-sub 9-pin connector (See "Signal assignment".)
AUDIO:	Phono jack −5 dBs, more than 47 kilohms
AV connector	21-pin connector (See "Signal assignment".)
Speaker terminals	8 ohms
Control S input/output	Minijack, 5 Vp-p
Power output	15 W + 15 W at 8 ohms
Power requirements	220 - 240 V AC, 50/60 Hz
Power consumption	175 W
Dimensions	Approx. 653 × 508 × 492 mm (w/h/d) incl. projecting parts and controls
Weight	Approx. 52 kg

#### Supplied accessory

Remote commander RM-668, with 2 R6 batteries..... 1

#### Optional accessories

TV stand

Speaker system SS-X6A, APM-X5A  
SU-539, SU-541

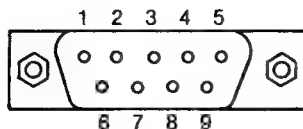
— Continued on page 2 —



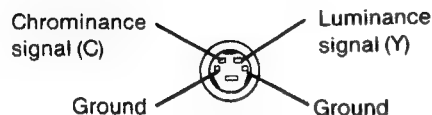
MICROFILM

## SIGNAL ASSIGNMENT

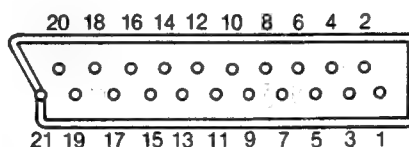
### DIGITAL RGB connector (D-sub 9-pin)



### S VIDEO connector (4-pin mini DIN)



### AV connector (21-pin)



Digital signal (TTL level)

Pin No.	Signal assignment
1	Ground
2	Ground
3	Red input
4	Green input
5	Blue input
6	Intensity input
7	No connection
8	H. sync input (positive/negative)
9	V. sync input (positive/negative)

Pin No.	Signal	Signal level
1	Audio output B (right)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm*
2	Audio input B (right)	Standard level: 0.5 Vrms Input impedance: More than 10 k ohms*
3	Audio output A (left)	Standard level: 0.5 Vrms Output impedance: Less than 1 k ohm*
4	Ground (audio)	
5	Ground (blue)	
6	Audio input A (left)	Standard level: 0.5 Vrms Input impedance: More than 10 k ohms*
7	Blue input	0.7 V $\pm$ 3 dB, 75 ohms, positive
8	Function select (AV control)	High state (9.5 - 12 V): Peri mode Low state (0 - 2 V): TV mode Input impedance: More than 10 k ohms Input capacitance: Less than 2 nF

Pin No.	Signal	Signal level
9	Ground (green)	
10	Open	
11	Green input	(Same as Pin 7)
12	Open	
13	Ground (red)	
14	Ground (blanking)	
15	Red input	(Same as Pin 7)
16	Blanking input	High state (1 - 3 V) Low state (0 - 0.4 V) Input impedance: 75 ohms
17	Ground (video output)	
18	Ground (video input)	
19	Video output	1 V $\pm$ 3 dB, 75 ohms, positive Sync: 0.3 V ( $\pm$ 3 dB)
20	Video input	1 V $\pm$ 3 dB, 75 ohms, positive Sync: 0.3 V ( $\pm$ 3 dB)
21	Common ground (plug, shield)	

\* at 20 Hz - 20 kHz

Design and specifications subject to change without notice.

## TROUBLESHOOTING

If these symptoms occur when you begin operation, follow the suggestions below.

SYMPTOMS	CORRECTIONS
No controllable keys although the POWER switch is turned on.	• Press the CONTROL key.
No indication appears although the CONTROL key is pressed.	• Set the MANUAL CONTROL switch on the rear panel to ON.
Remote control is not possible.	• Set the REMOTE CONTROL switch on the rear panel to ON.

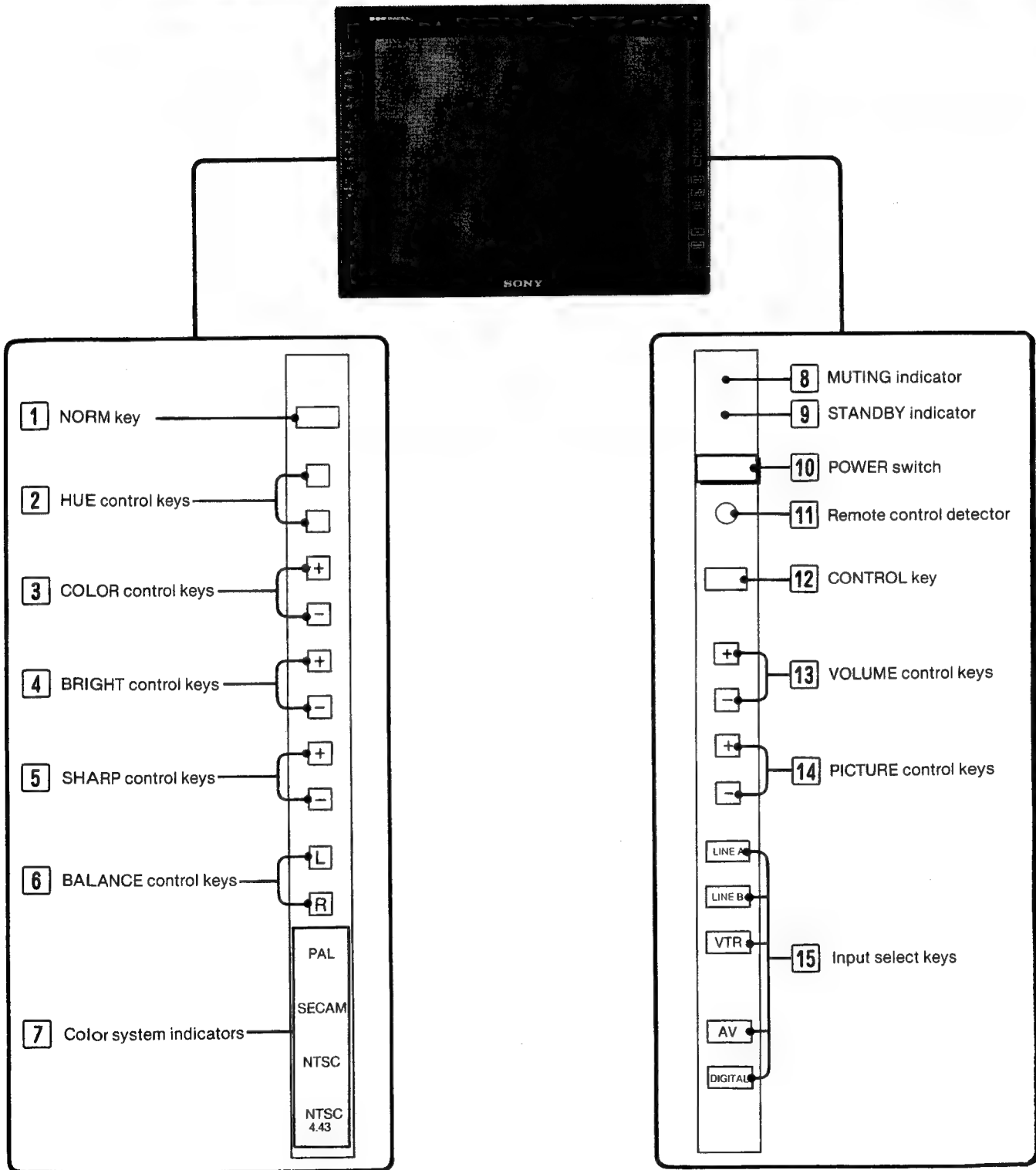
If the problem still cannot be solved, contract your authorized Sony dealer.



# SECTION 1 GENERAL

## 1-1. LOCATION AND FUNCTION OF PATRS AND CONTROLS

### FRONT PANEL




• Press CONTROL key after power is turned on to illuminate the control keys or indicators.

The following control keys are effective only when MANUAL CONTROL switch on the rear panel is set to ON.

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### SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

**1 NORM (normal) key**

Press this key to return to the standard setting.

- This key is effective only for the control keys on the left.

**2 HUE control keys**

Press the GRN (green) key to make the skin tones greenish or the PUR (purple) key to make it purplish.

- These control keys are effective for the NTSC and NTSC<sub>4.43</sub> color systems only.

**3 COLOR control keys**

Press the + key to make the color intensity vivid or the – key to make it pale.

**4 BRIGHT (brightness) control keys**

Press the + key to make the picture brighter or the – key to make it darker.

**5 SHARP (sharpness) control keys**

Press the + key to obtain a sharp picture or the – key to obtain a soft picture.

**6 BALANCE control keys**

Press the L key to increase the sound volume of the left speaker or the R key to increase the sound volume of the right speaker.

**7 Color system indicators**

**PAL, SECAM, NTSC, NTSC<sub>4.43</sub>**

The color system of the input signal is automatically selected and the corresponding indicator illuminates. When the input signal is monochrome, no color system indicator illuminates.

**8 MUTING indicator**

Illuminates while the sound is muted.

- Muting is controlled only by the Remote Commander.

**9 STANDBY indicator**

Illuminates when the power is turned off by the Remote Commander.

**10 POWER switch**

Press this switch to turn the monitor on.

Press this switch again to turn it off.

- When the monitor is turned on, the settings of the monitor are the same as when it was last turned off.
- For a few seconds after turning on the monitor the color of picture may vary because the white balance is adjusted at this time. This is not a problem.

**11 Remote control detector**

The beam from the Remote Commander is received here.

**12 CONTROL key**

Press this key to illuminate the keys and indicators on the front panel.

Press this key again to extinguish them.

**13 VOLUME control keys**

Press the + key to raise the volume or the – key to lower it.

**14 PICTURE control keys**

Press the + key to make the contrast, color intensity and brightness stronger or the – key to make them weaker.

**15 Input select keys**

**LINE A, LINE B, VTR, AV, DIGITAL**

Select the input source connected to the LINE A, LINE B, VTR, AV or DIGITAL RGB connector.

When a key is pressed:

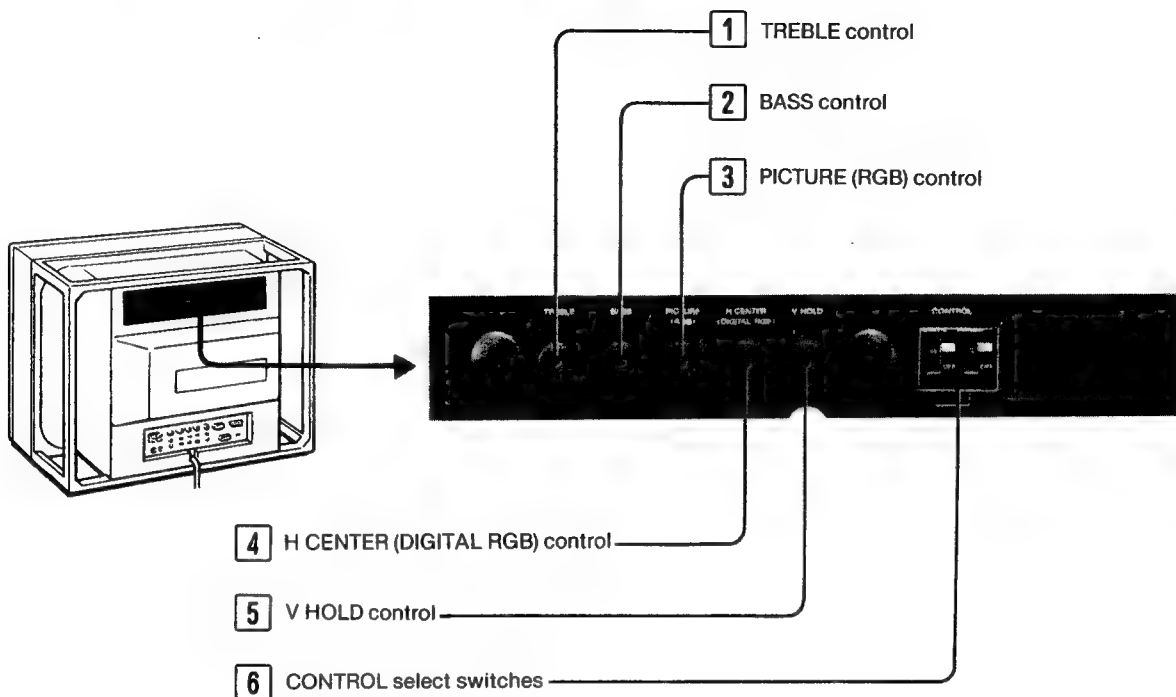
- it blinks if the other indicators and keys on the front panel illuminate.
- it illuminates if they are extinguished.

**Key illumination**

For the keys 1 through 7, 13 and 14:

- While each key is pressed, it blinks, indicating that adjustment is going on.
- During adjustment, if the adjustment value reaches the limit, the blinking speed becomes slower.

## REAR PANEL



### **1 TREBLE control**

Turn clockwise for more treble (high tone), or counterclockwise for less.

### **2 BASS control**

Turn clockwise for more bass (low tone), or counterclockwise for less.

### **3 PICTURE (RGB) control**

Adjust the contrast of the RGB signals connected to the AV connector or the DIGITAL RGB connector.

### **4 H CENTER (DIGITAL RGB) (horizontal centering) control**

When the picture of DIGITAL RGB input is decentered horizontally, correct it with this control.

### **5 V HOLD (vertical hold) control**

When the picture rolls vertically, correct it with this control.

### **6 CONTROL select switches**

Normally set to ON.

#### **REMOTE CONTROL switch**

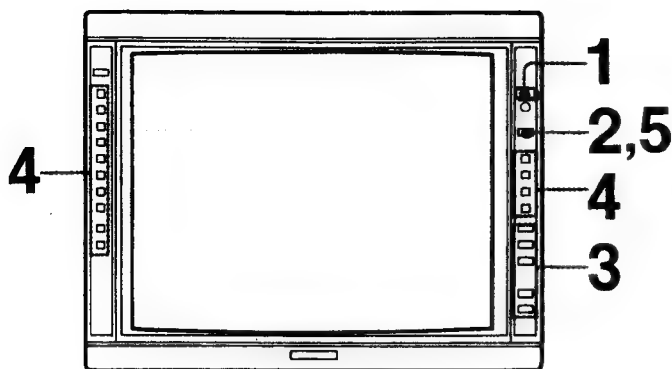
Set this switch to ON to control the monitor with a Remote Commander.  
If this switch is set to OFF, the remote control is not possible.

#### **MANUAL CONTROL switch**

Set this switch to ON to control the monitor manually. To make the manual control of the control keys or switches on the front panel impossible, extinguish the indicators by pressing the CONTROL key on the front panel and set this switch to OFF.  
(However remote control is possible if the REMOTE CONTROL switch is set to ON.)

## 1-2. OPERATION

### DISPLAYING THE PICTURE



- 1 Depress the POWER switch.  
One of the input select keys illuminates.
- 2 Press the CONTROL key.  
The selected input select key blinks and all control keys on the front illuminate.  
(If the control keys do not appear, set the MANUAL CONTROL switch on the rear to ON.)
- 3 Press the desired input select key.  
The pressed key blinks and the picture from the selected input is displayed on the screen and the sound is heard through the speakers.  
(For selecting the AV or DIGITAL input, see "Notes on input selection".)
- 4 Adjust the picture and sound.
- 5 Press the CONTROL key to extinguish the control keys so that only the selected input select key illuminates.

### SUPERIMPOSING

To superimpose the data from the microcomputer connected to the AV connector over the picture, proceed as follows. (The data should be processed for superimposition on the microcomputer.)

- 1 Set the SUPERIMPOSE switch to ON.
- 2 Press the LINE A, LINE B or VTR input select key to display the picture on which the data is to be superimposed on the monitor screen.
- 3 Press the AV input select key.  
The data is superimposed over the picture.
- 4 Adjust the contrast of the superimposed data with the PICTURE (RGB) control.

#### Note

The data cannot be superimposed over the picture input from S VIDEO IN connector.

### NOTES ON INPUT SELECTION

#### AV input and SUPERIMPOSE switch

Set the SUPERIMPOSE switch on the rear as follows, according to the signal supplied to the AV connector.

SUPERIMPOSE switch	Signal to be displayed
ON	<ul style="list-style-type: none"><li>• To display the composite video signal from an 8 mm video cassette recorder, etc.</li><li>• To perform superimposition. (See "SUPERIMPOSING".)</li></ul>
OFF	<ul style="list-style-type: none"><li>• To display the analog RGB signal from a microcomputer, etc. In this case, the sync signal should be supplied to pin 20 of the AV connector.</li></ul>

- When the AV input select key is pressed with the SUPERIMPOSE switch ON, the previously selected LINE A, LINE B or VTR input select key blinks together with the AV key.
- When it is pressed with the SUPERIMPOSE switch OFF, only the AV key blinks.

#### AV input and AV switch

When the AV switch on the rear is set to ON, the monitor is automatically switched from the LINE A, LINE B or VTR input to the AV input if a signal is input to the AV connector. Set the AV switch to OFF to select the AV input manually by pressing the AV input select key.

#### DIGITAL input

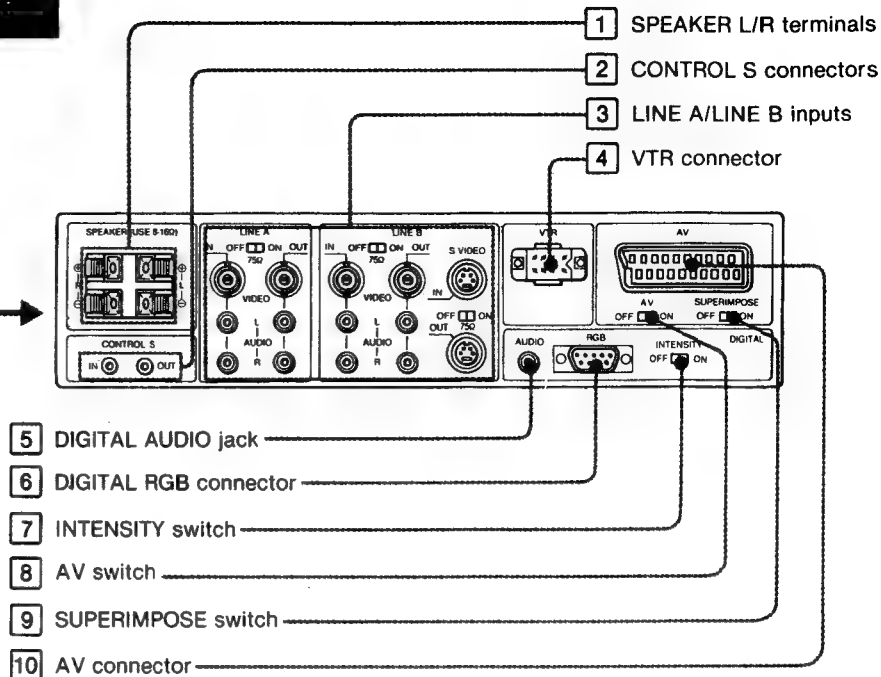
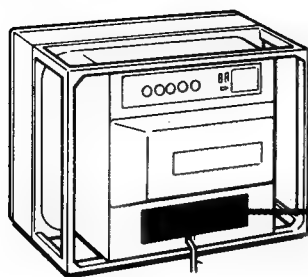
- To display the digital RGB signal from a microcomputer provided with intensity output in 16 colors, set the INTENSITY switch on the rear to ON.
- If necessary, center the picture from the DIGITAL RGB connector with the H CENTER control on the rear panel.

#### Note

The COLOR, HUE and SHARP control keys do not function when the DIGITAL input is selected or the AV input is selected with the SUPERIMPOSE switch OFF.



## CONNECTORS



### 1 SPEAKER L/R terminals

Connect to speakers with 8 to 16 ohm impedance.

### 2 CONTROL S IN/OUT connectors

Connect to the CONTROL S connectors of a VTR or another monitor.  
It is then possible to control the whole system with a single Remote Commander.

### 3 LINE A/LINE B inputs

**S VIDEO IN connector (4-pin, mini-DIN)\***

**VIDEO IN connector (BNC type)**

**AUDIO L/R IN jacks (phono jack)**

Connect to the video and audio outputs of a VTR or a camera.

**S VIDEO OUT connector (4-pin, mini-DIN)\***

**VIDEO OUT connector (BNC type)**

**AUDIO L/R OUT jacks (phono jack)**

Loop-through outputs of the IN connector and jacks.

Connect to the video and audio inputs of another monitor.

\* For LINE B only.

### 75-ohm termination switch

When only the VIDEO IN connector is used (nothing is connected to the VIDEO OUT connector), set this switch to ON.

When both connectors are used together for a loop-through connection, set this switch to OFF.

### Note

The VIDEO IN connector is disconnected automatically when a cable is connected to the S VIDEO IN connector.

### 4 VTR connector (8-pin)

Connect to a VTR with an 8-pin TV connector.

### 5 DIGITAL AUDIO jack (phono jack)

Connect to the audio output of an audio source to listen to the sound from the connected audio source while viewing the picture from the DIGITAL RGB connector.

### 6 DIGITAL RGB connector (9-pin, D-sub)

Connect to the digital RGB output of a microcomputer.

### 7 INTENSITY switch

Normally set to OFF. When a microcomputer provided with intensity output is connected, set to ON for 16-color display.

### 8 AV switch

Set to ON so that the monitor is automatically switched to the AV input when a signal is input from the AV connector, taking priority over the LINE A, LINE B or VTR input previously selected by the input select keys on the front panel. Set to OFF to select the AV input manually by pressing the AV input select key.

### 9 SUPERIMPOSE switch

Normally set to ON.

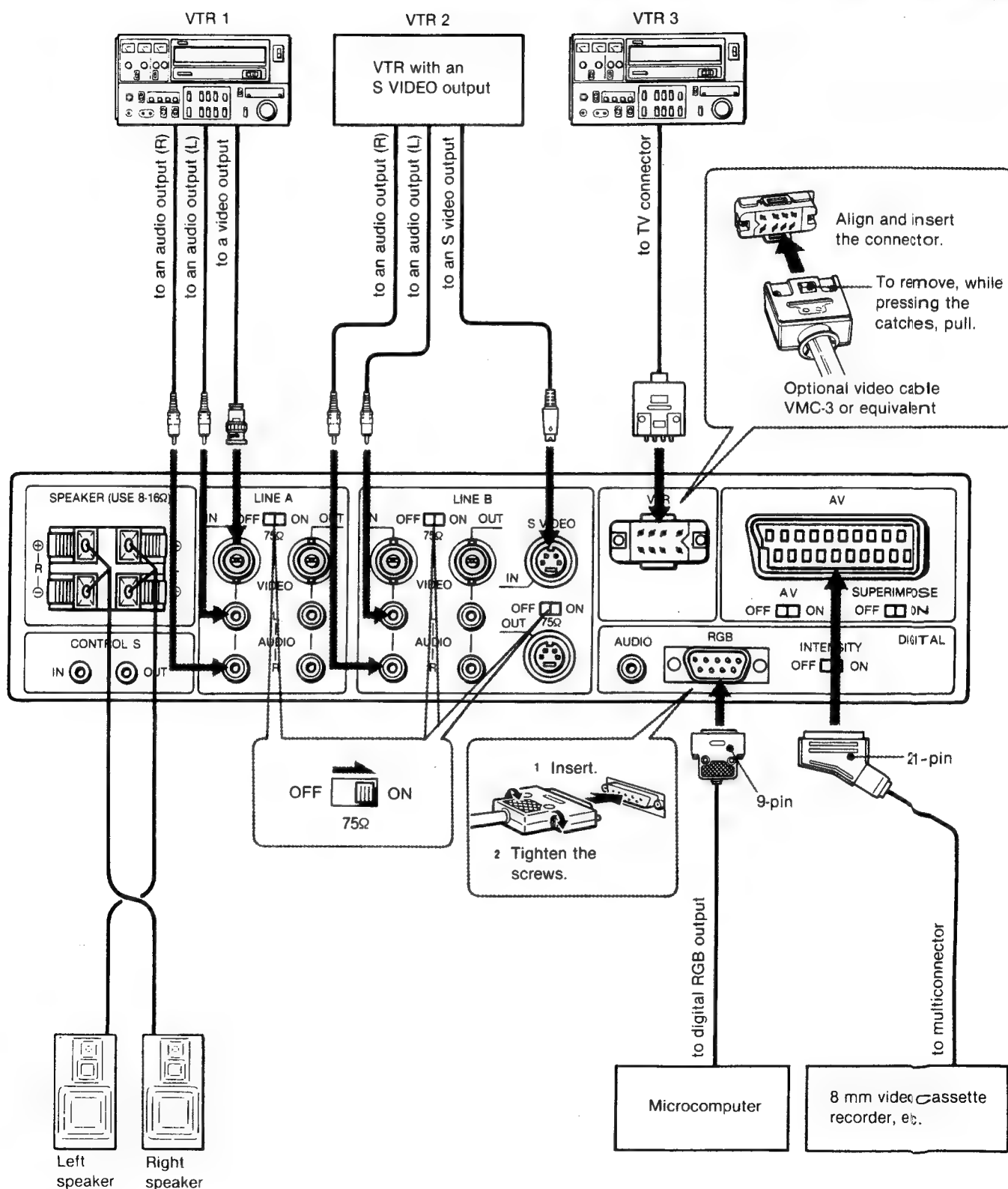
Set to OFF to display the analog RGB signal from the microcomputer connected to the AV connector.

### 10 AV connector (21-pin)

Connect to the 21-pin multiconnector of an 8 mm video cassette recorder or the analog RGB multioutput connector of a microcomputer.

### 1-3. SYSTEM CONNECTIONS

#### CONNECTION DIAGRAM



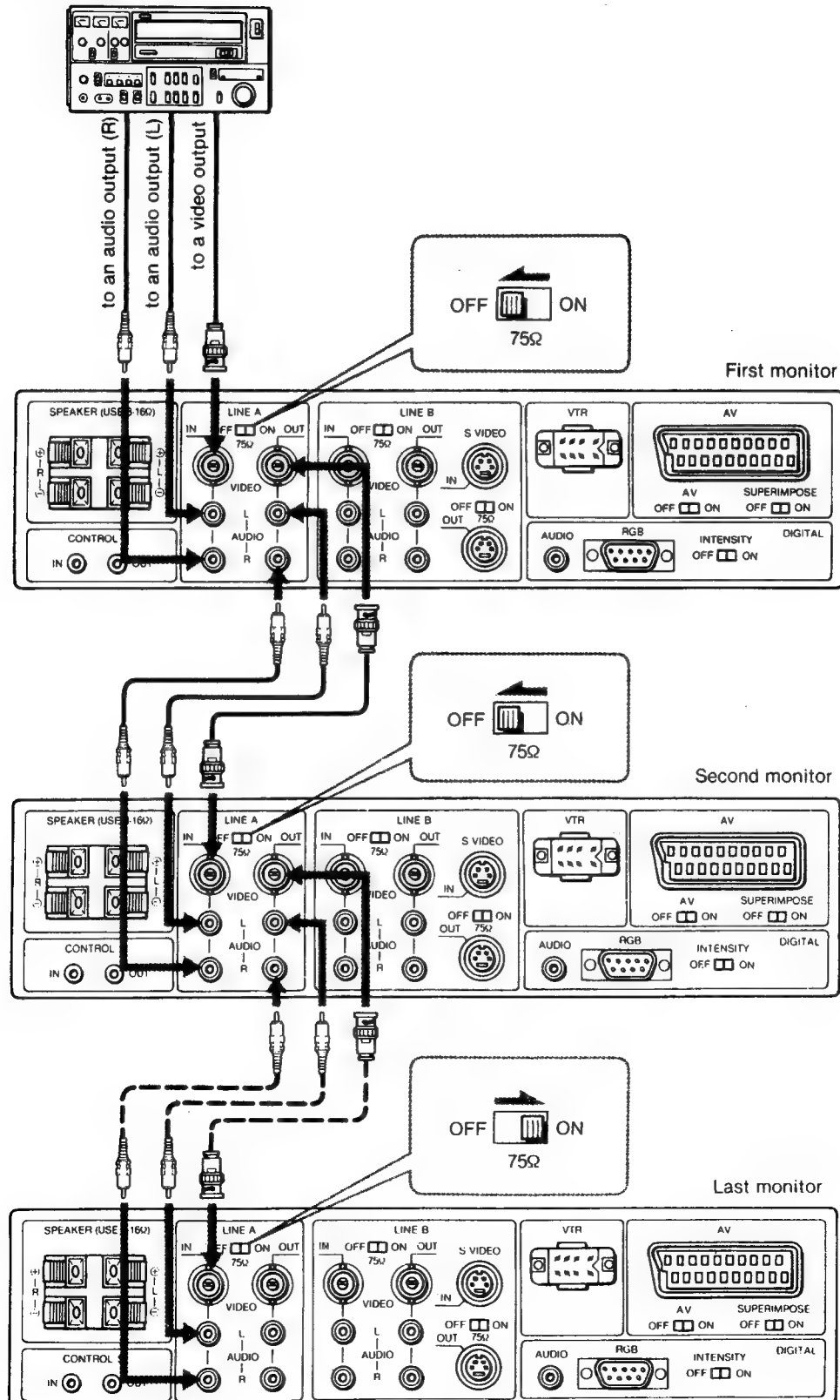
#### Note

- When a microcomputer has an analog RGB output connector, connect it to the AV connector.

- When a microcomputer has only a composite video output connector, connect it to the LINE A or LINE B VIDEO IN connector.

## CONNECTING SEVERAL MONITORS

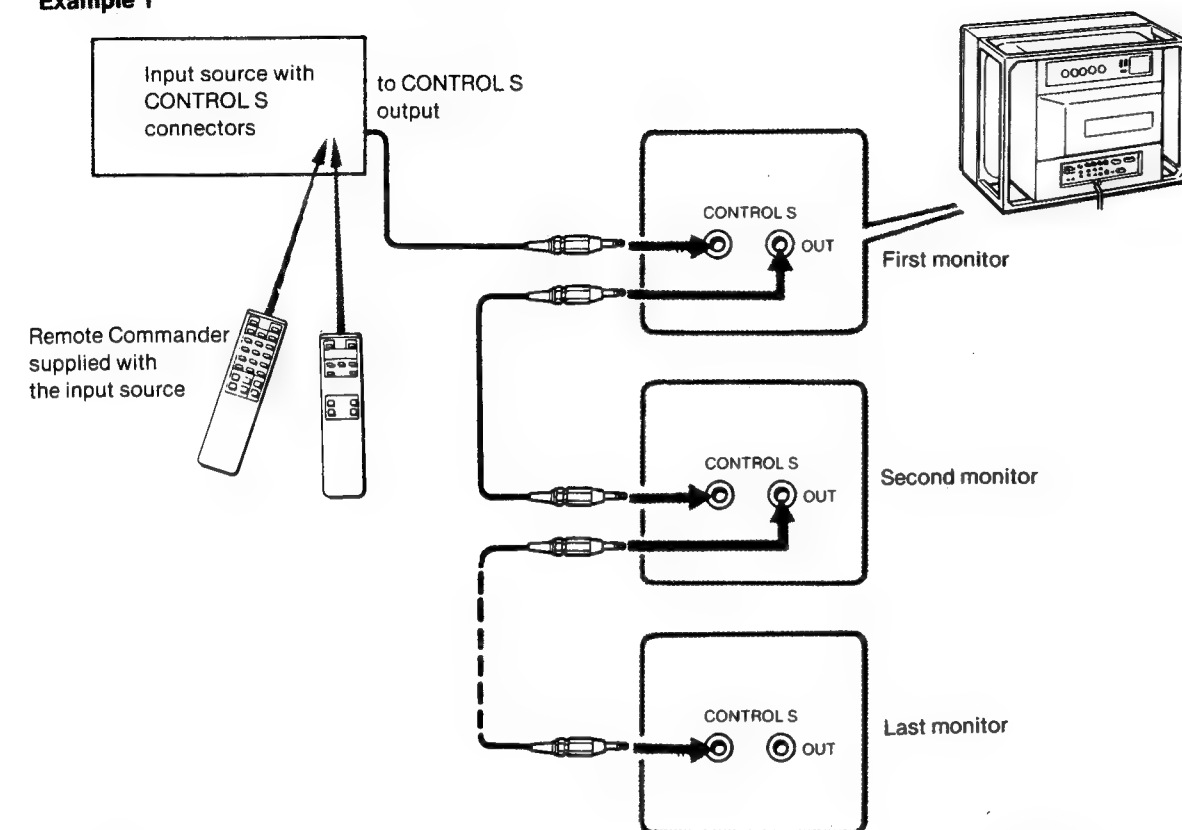
A loop-through connection is convenient for monitoring the same signal on the monitors. Up to 10 monitors can be connected. It is recommended to use a signal distributor when several monitors are connected.



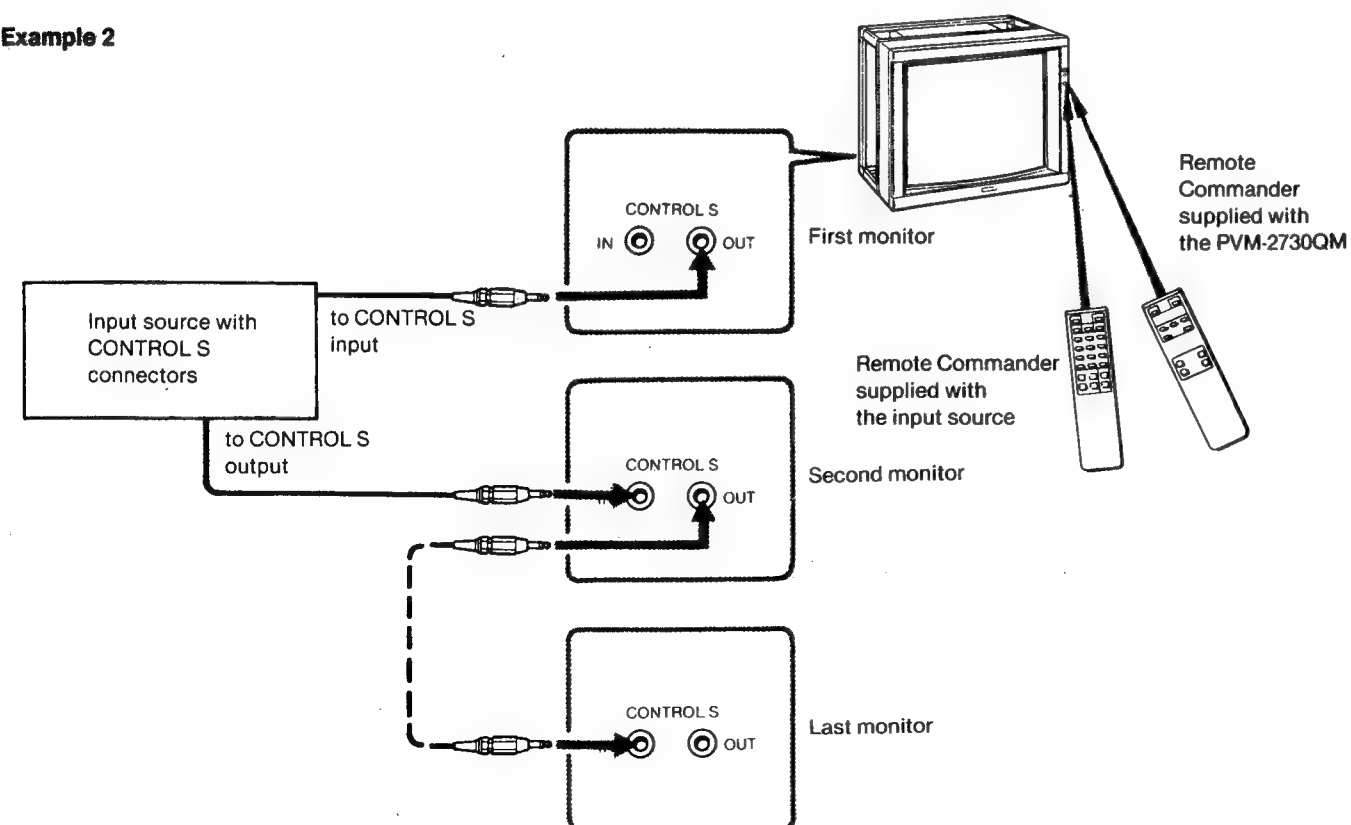
## CONTROL S CONNECTION

The following connections allow remote control of several monitors and a VTR through a single monitor.

**Example 1**



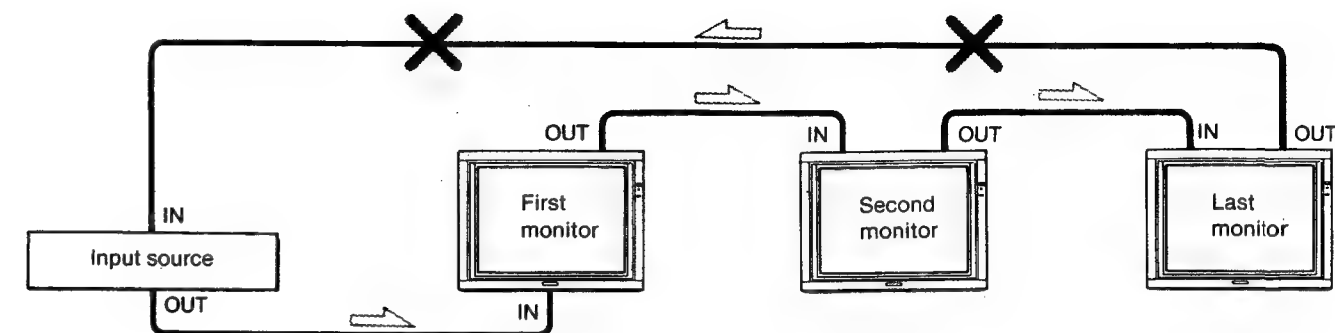
**Example 2**



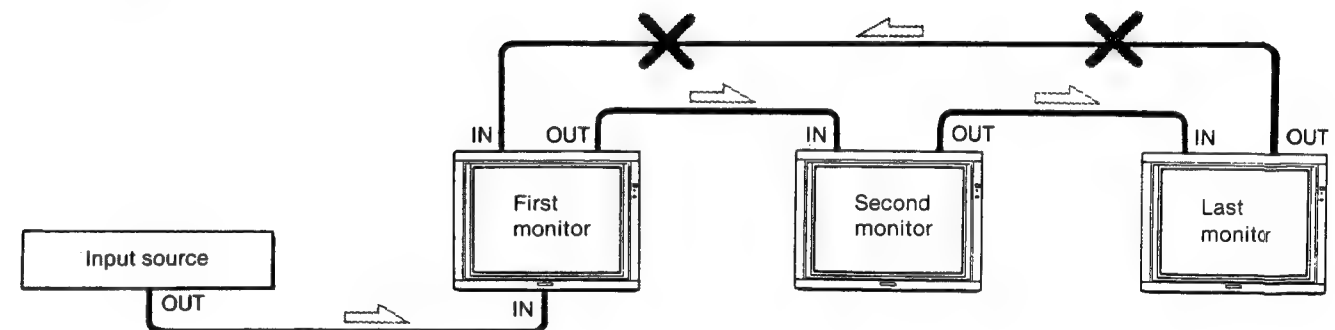
## Note

Do not use the following loop connections.

**Example 1**



**Example 2**



CONTROL S signal flow

SECTION 4  
CIRCUIT ADJUSTMENTS

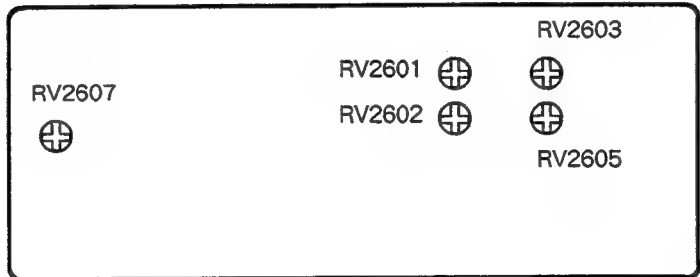
4-1. D3 BOARD ADJUSTMENTS

V • ANGLE ADJUSTMENT (RV2607)

Adjust V • ANGLE with RV2607



D3 Board



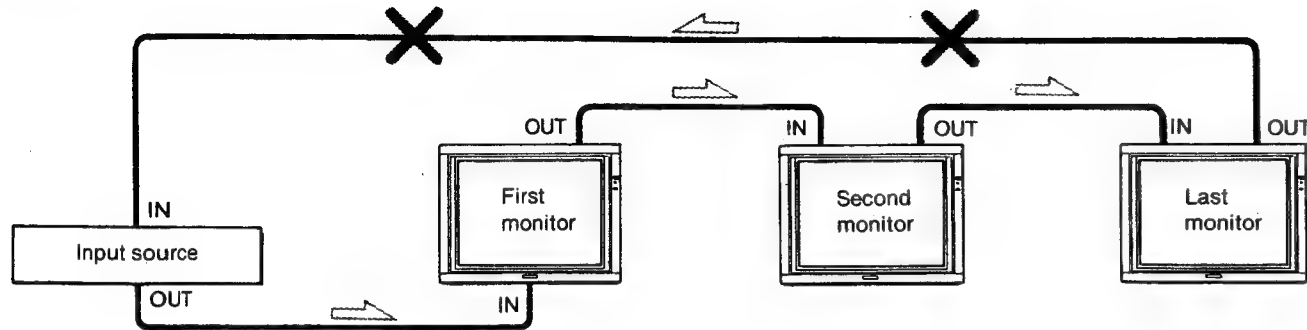
RV2601 (TOP PIN)  
RV2602 (BOTTOM PIN)  
RV2603 (PIN PHASE 50)  
RV2605 (PIN AMP 50)  
RV2607 (V • ANGLE)

(Component side)

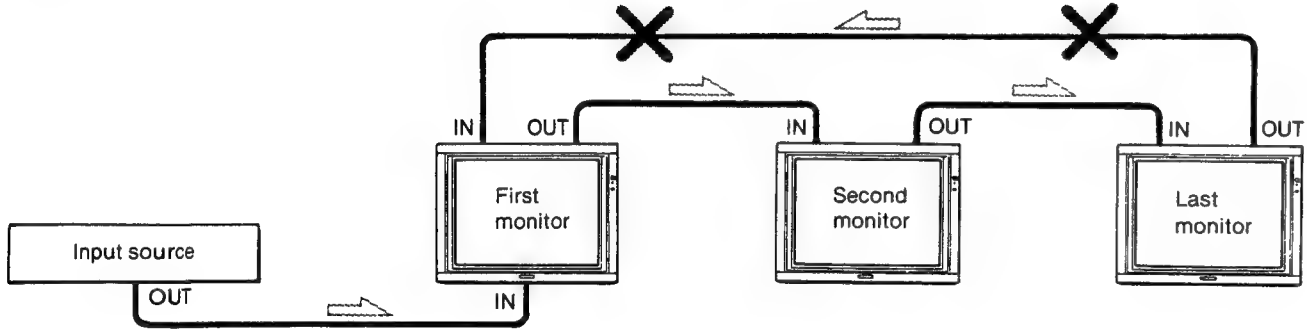
Note

Do not use the following loop connections.

Example 1



Example 2



CONTROL S signal flow

5-1. CIRCUIT E

## SECTION 4 CUI ADJUSTMENTS



RV2603

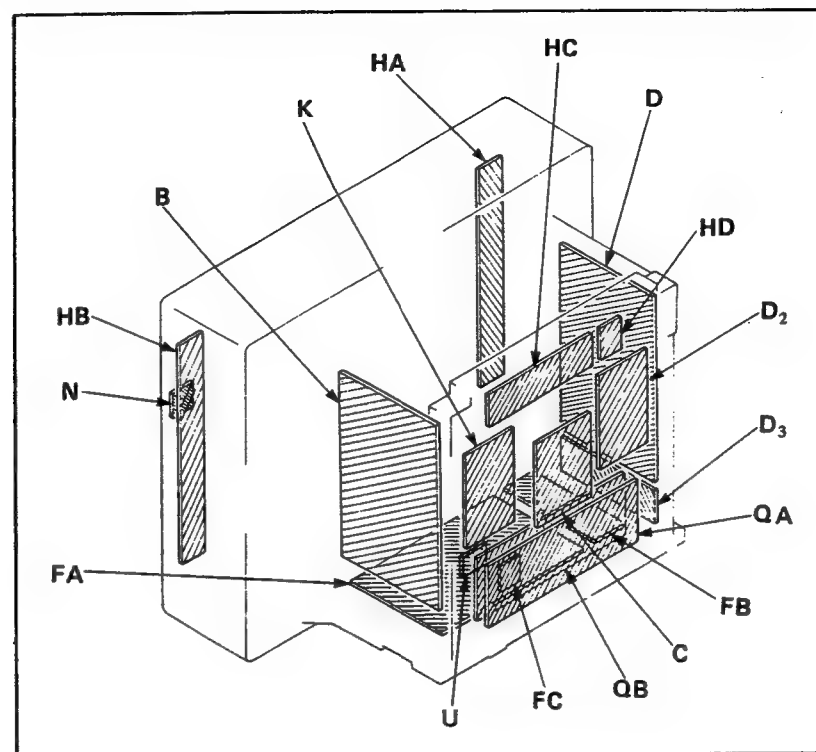


RV2605

RV2601 (TOP PIN)  
RV2602 (BOTTOM PIN)  
RV2603 (PIN PHASE 50)  
RV2605 (PIN AMP 50)  
RV2607 (V • ANGLE)

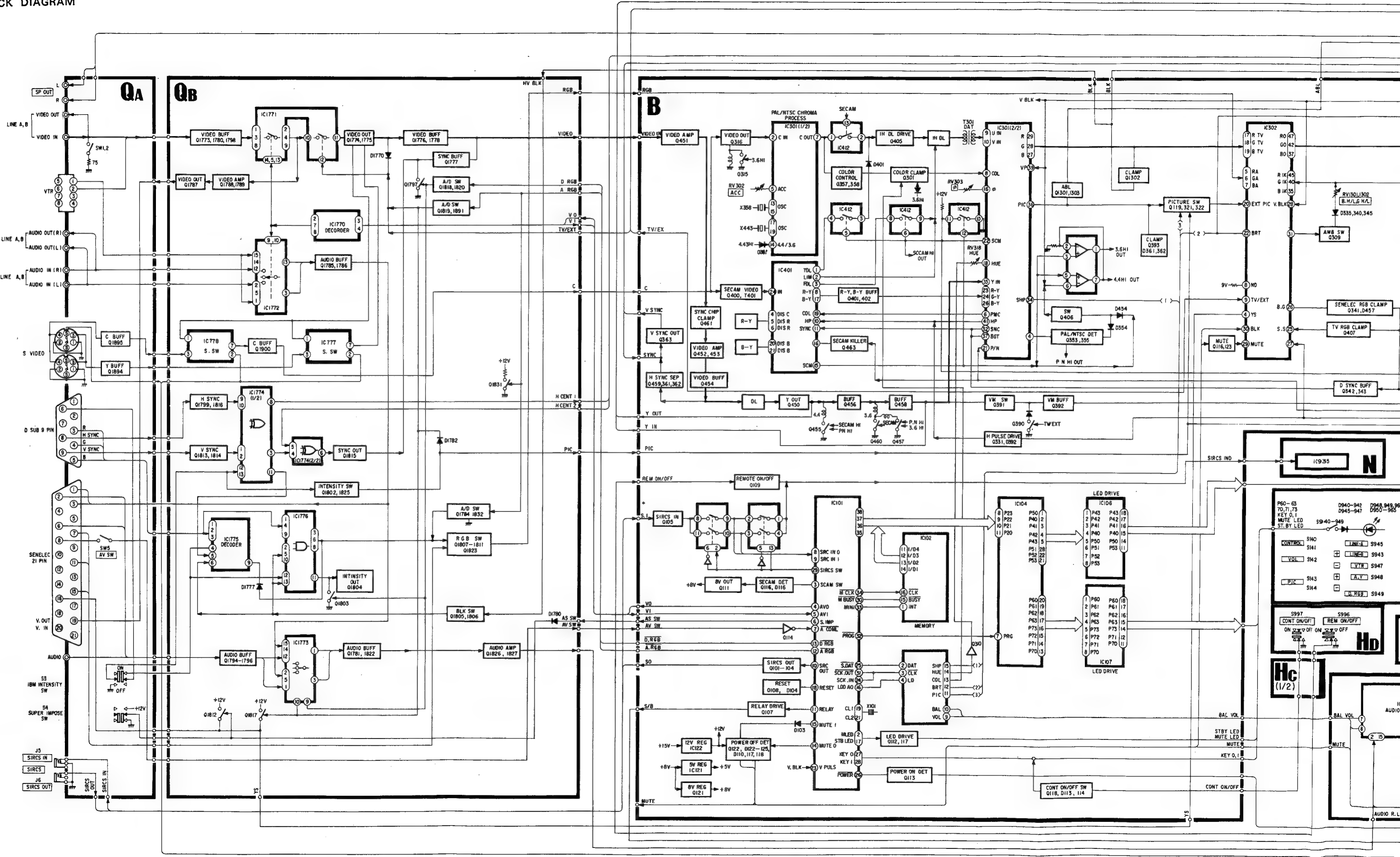
## SECTION 5 DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION





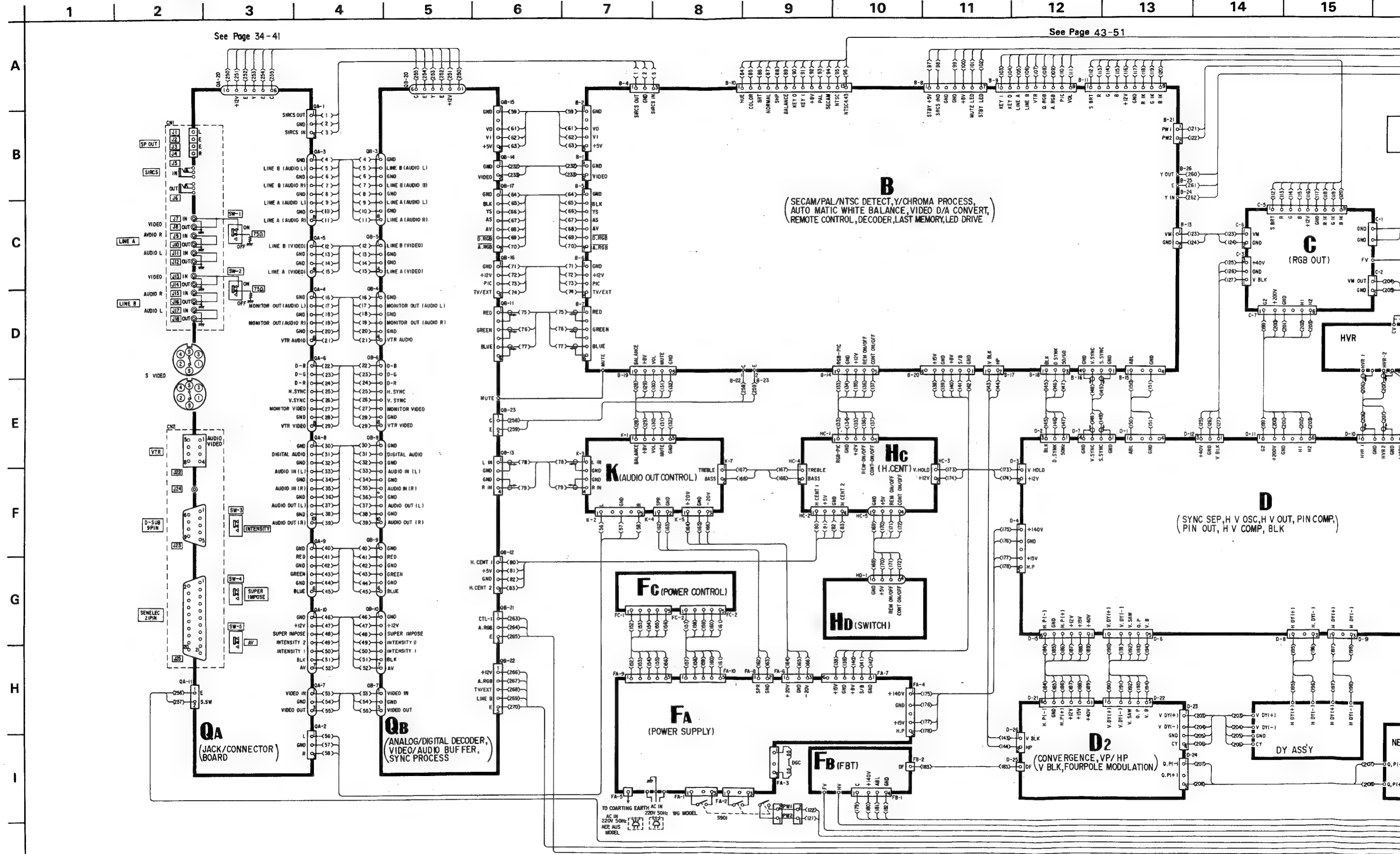
5-2. BLOCK DIAGRAM





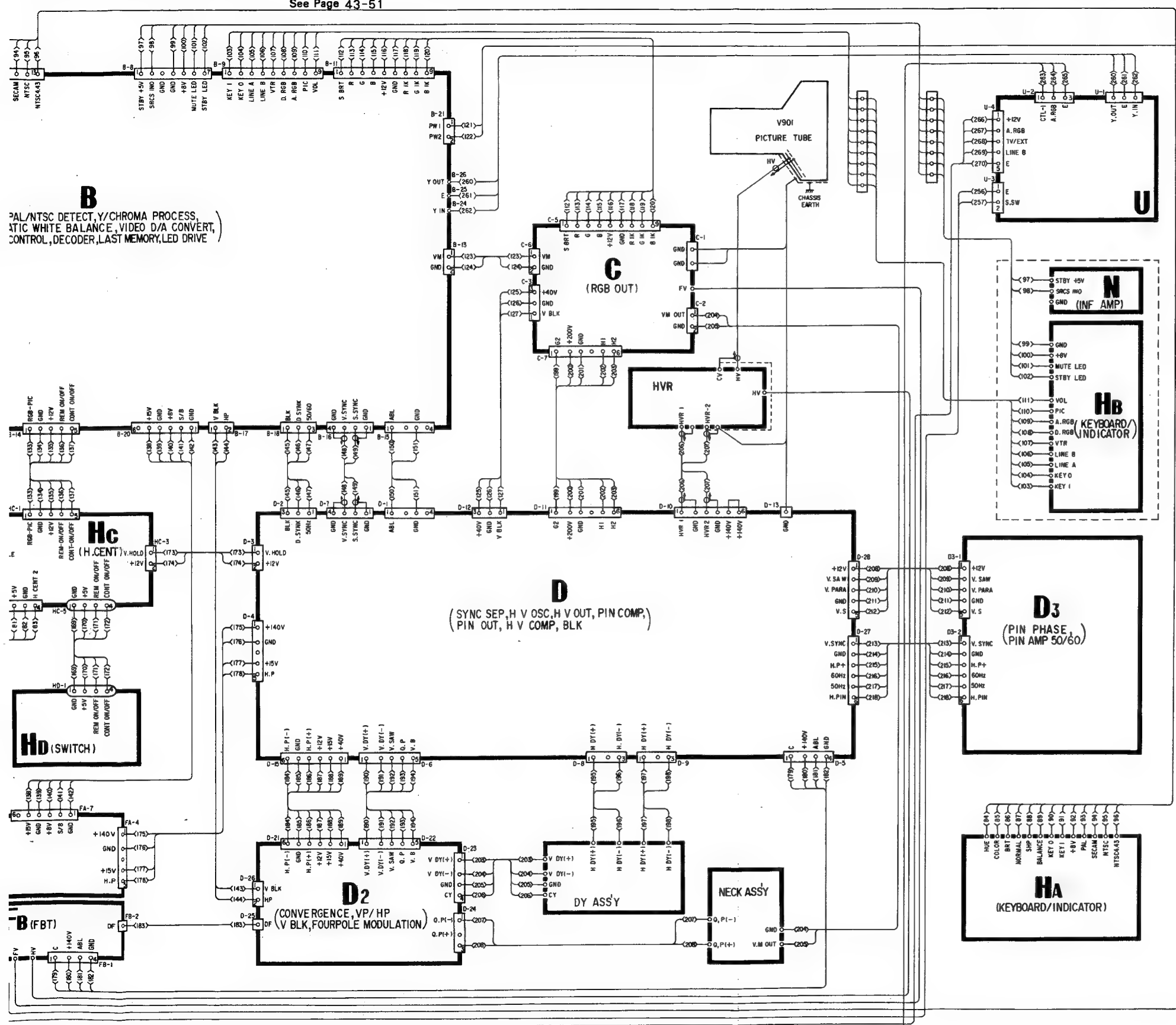


## 5-3. FRAME SCHEMATIC DIAGRAM



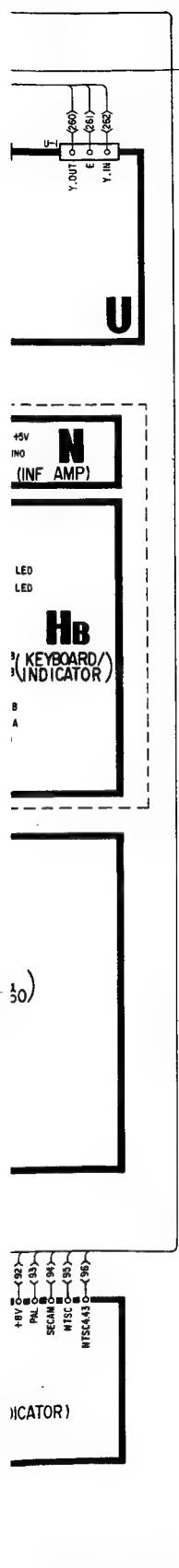
10 11 12 13 14 15 16 17 18 19 20 21 22 23

See Page 43-51



See Page 52-61

19 20 21 22 23



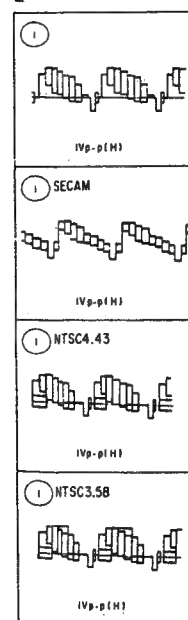


# 5.4. SCHEMATIC DIAGRAM AND PRINTED WIRING BOARDS

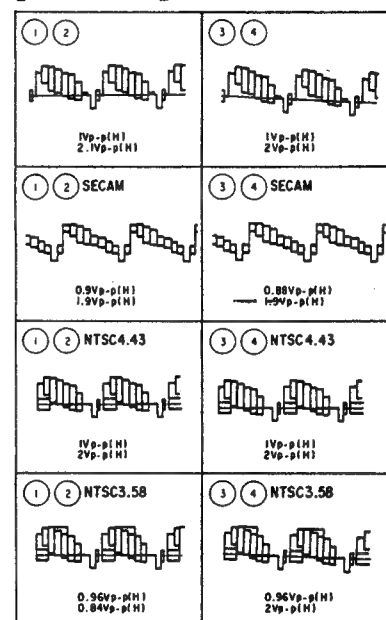
## Note:

- All resistors are in ohms, 1/6W unless otherwise noted.  
k $\Omega$ : 1000 $\Omega$ , M $\Omega$ : 1000k $\Omega$ .
- All capacitors are in  $\mu$ F unless otherwise noted. pF:  $\mu$ F.  
50WV or less are not indicated except for electrolytics.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.
- $\Delta$  : internal component.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Readings are taken with a digital multimeter (DC10M $\Omega$ ).
- Voltage variations may be noted due to normal production tolerances.
- : adjustment for repair.
- Circled numbers refer to waveforms.
- no mark: with PAL color-bar signal input.  
( ) : with SECAM color-bar signal input.  
( ) : with NTSC 3.58MHz color-bar signal input.  
[ ] : with NTSC 4.43MHz color-bar signal input.
- \* : Selected to yield optimum performance.

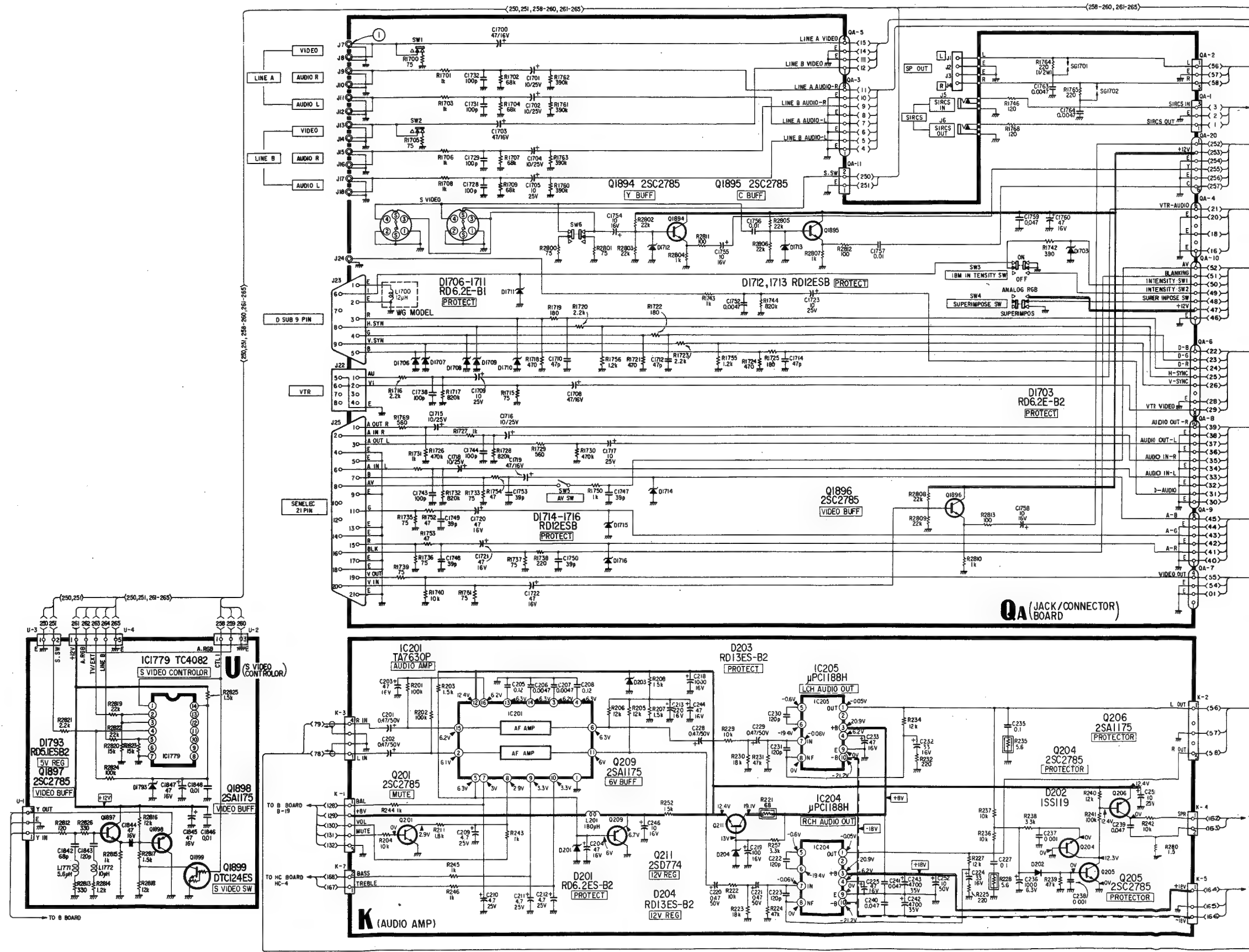
[QA BOARD]

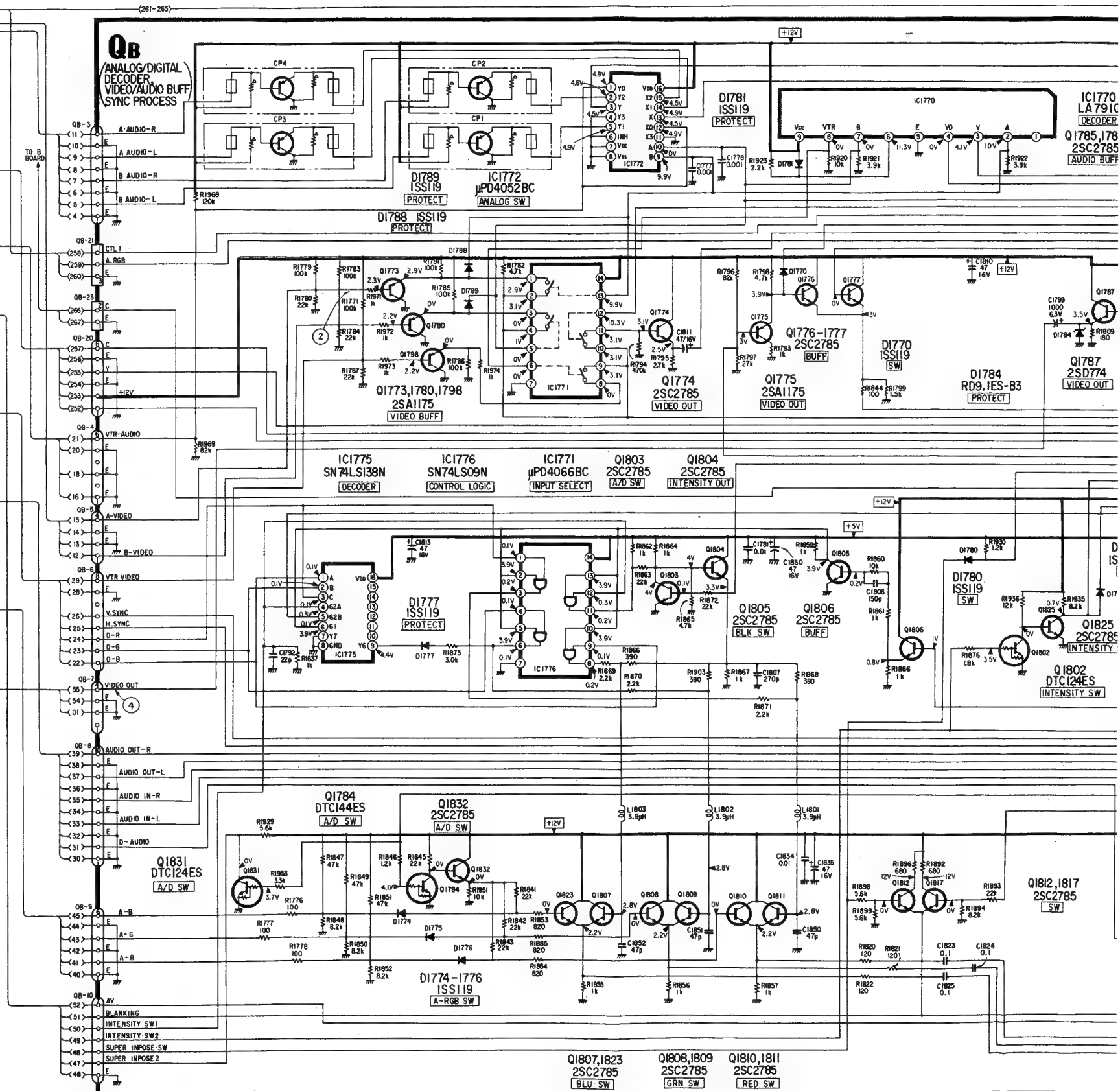
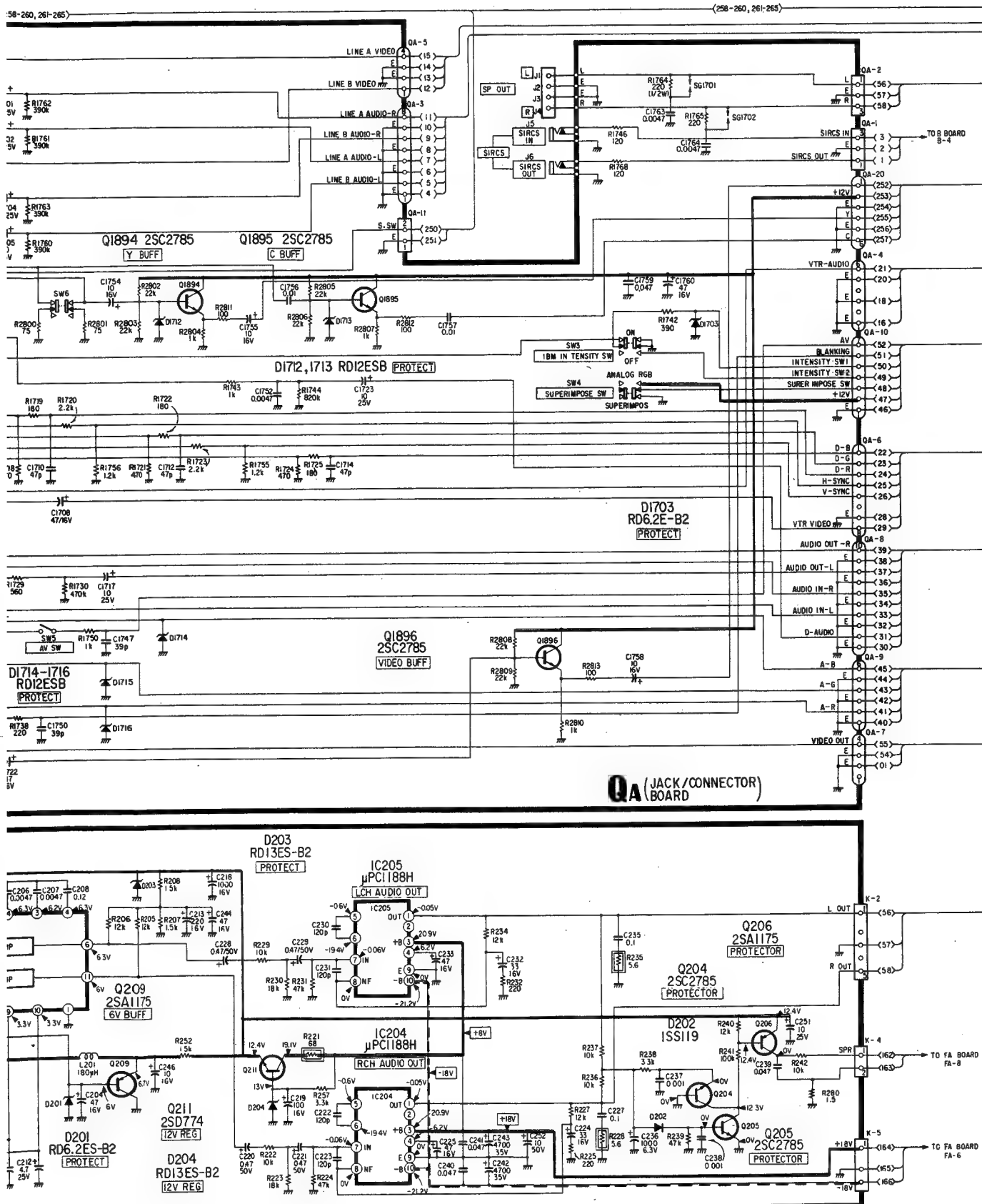


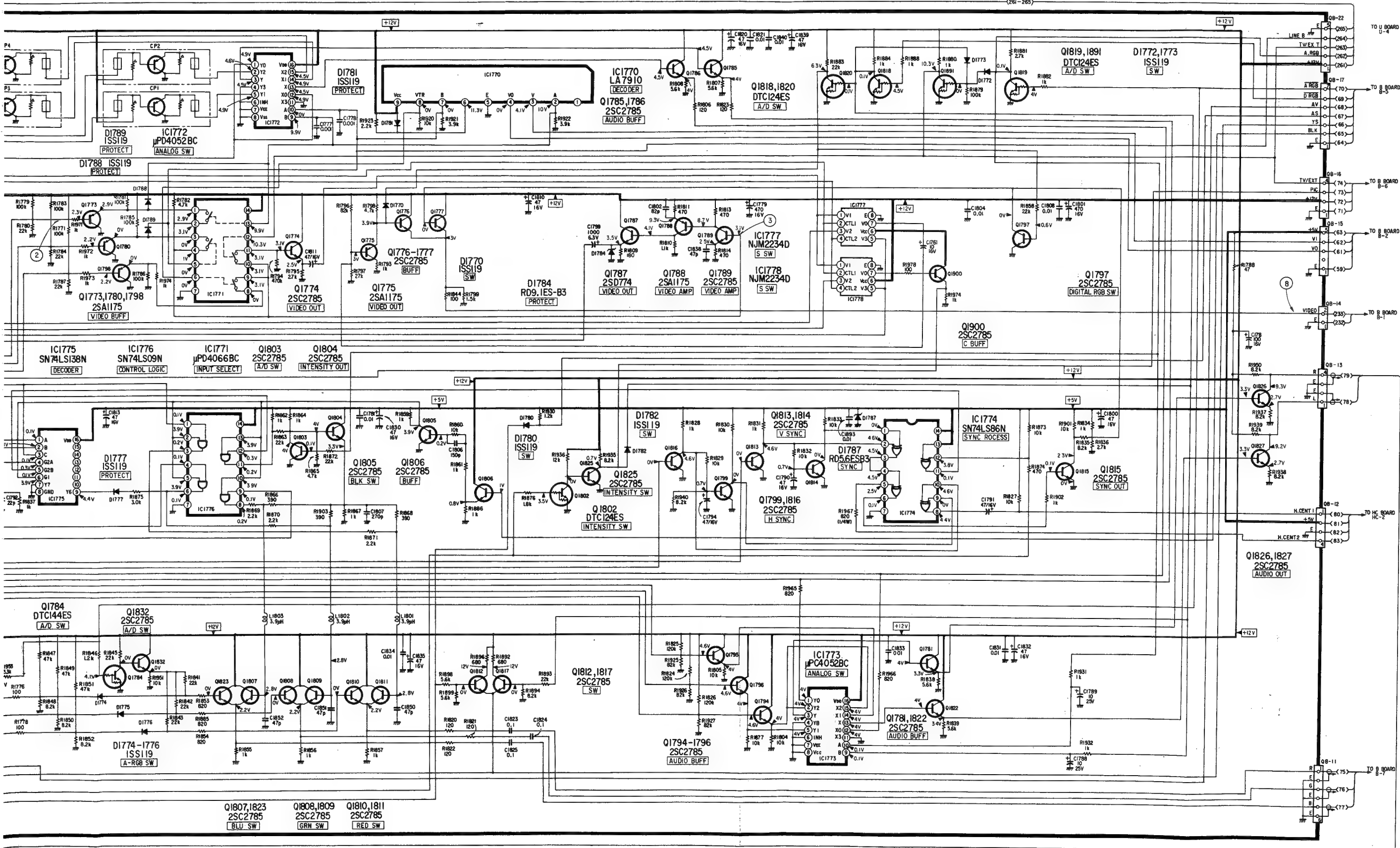
[QB BOARD]



A  
B  
C  
D  
E  
F  
G  
H  
I  
J









PVM-2730QM  
RM-668

PVM-2730QM  
RM-668

— Conductor Side —

[ANALOG/DIGITAL DECODER,  
VIDEO/AUDIO BUFF SYNC PROCES]

QB

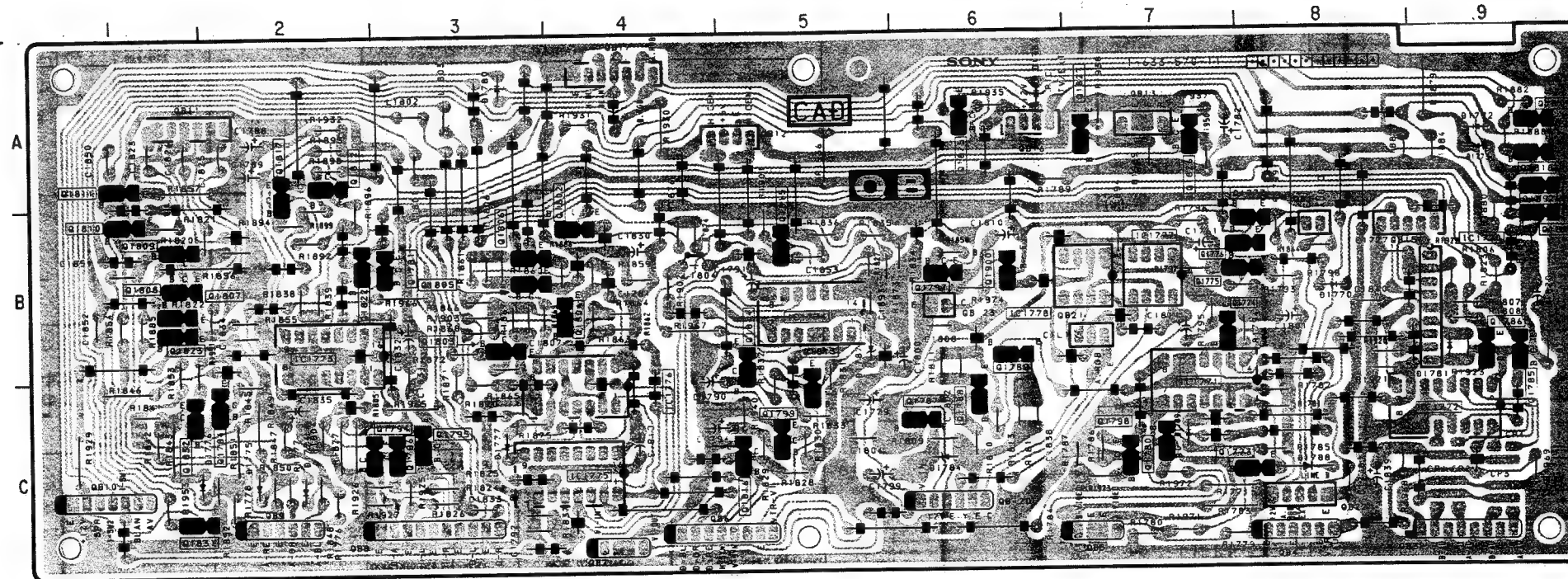
[JACK/CONNECTOR  
BOARD]

QA

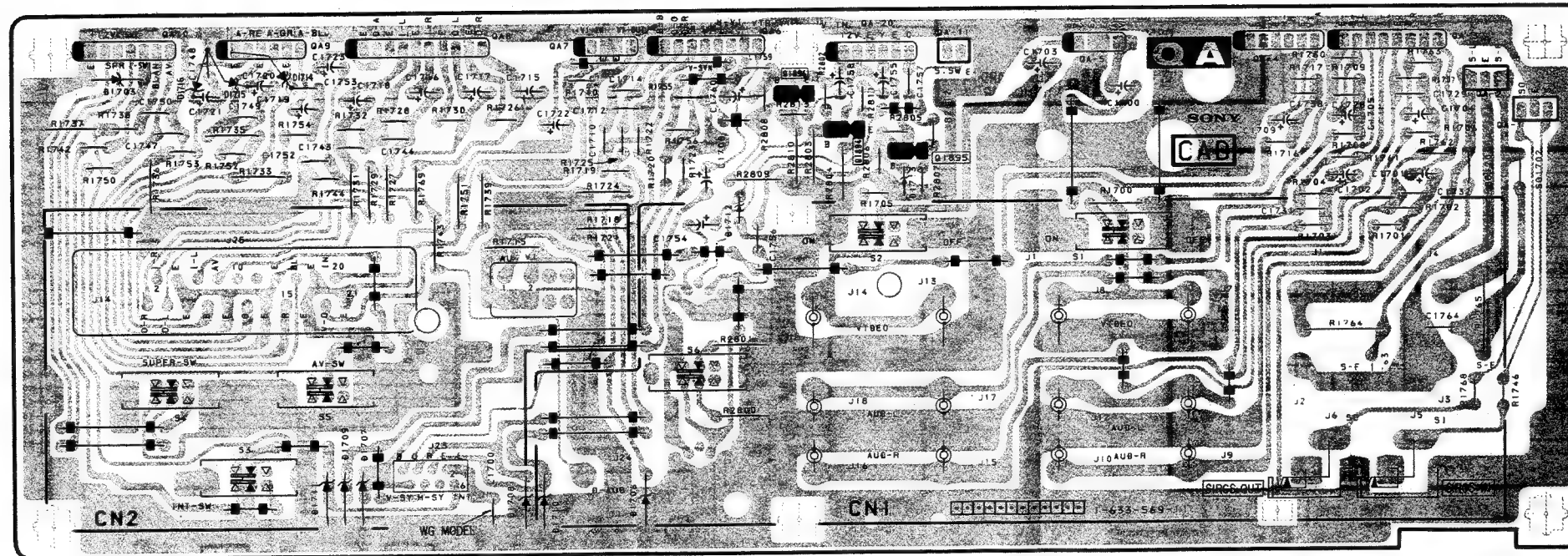
QB

QA

— QB Board —



— QA Board —



— QB BOARD —

IC			
IC1770	B-9	Q1808	B-1
IC1771	C-7	Q1809	B-1
IC1772	C-9	Q1810	B-1
IC1773	B-2	Q1811	A-1
IC1774	B-5	Q1812	A-2
IC1775	C-4	Q1813	B-5
IC1776	C-4	Q1814	B-5
IC1777	B-7	Q1815	B-5
IC1778	B-7	Q1816	C-5
		Q1817	A-2
		Q1818	A-9
		Q1819	A-9
		Q1820	B-9
		Q1822	B-2
		Q1823	B-1
		Q1825	A-6
		Q1826	A-7
		Q1827	A-7
		Q1831	C-1
		Q1832	C-1
		Q1891	A-9
		Q1990	B-6
TRANSISTOR		DIODE	
Q1773	C-8	D1770	B-8
Q1774	B-7	D1772	A-9
Q1775	B-8	D1773	A-9
Q1776	B-8	D1774	C-2
Q1777	B-8	D1775	C-2
Q1780	C-7	D1776	C-2
Q1781	B-3	D1777	C-3
Q1784	C-2	D1780	A-3
Q1785	B-9	D1781	B-9
Q1786	B-9	D1782	A-6
Q1787	C-6	D1784	C-6
Q1788	C-6	D1787	B-5
Q1789	B-6	D1788	C-8
Q1794	C-3	D1789	C-7
Q1795	C-3		
Q1796	C-3		
Q1797	B-6		
Q1798	C-7		
Q1799	C-5		
Q1802	B-4		
Q1803	B-3		
Q1804	B-4		
Q1805	B-3		
Q1806	B-3		
Q1807	B-1		

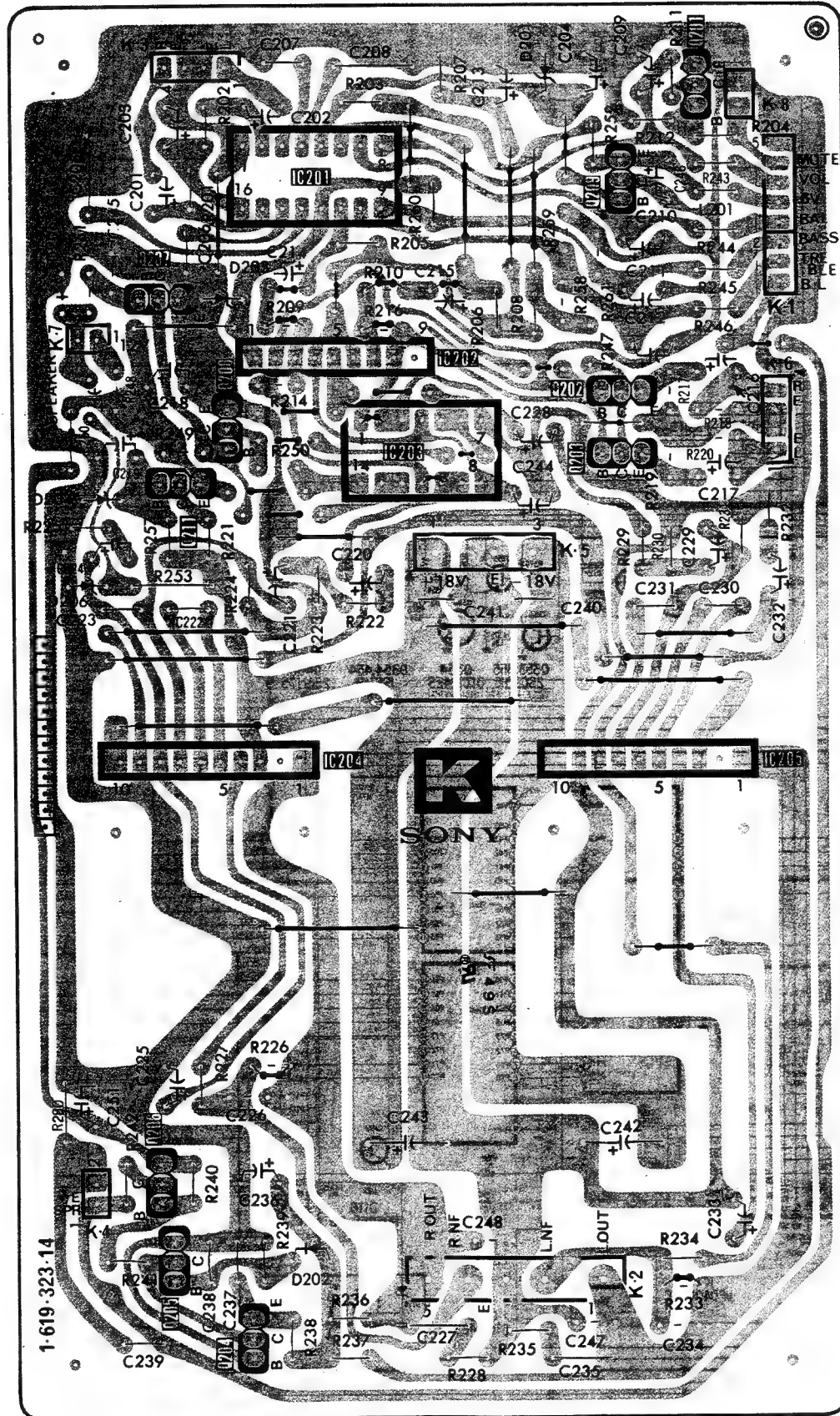
PVM-2730QM  
RM-668

PVM-2730QM  
RM-668

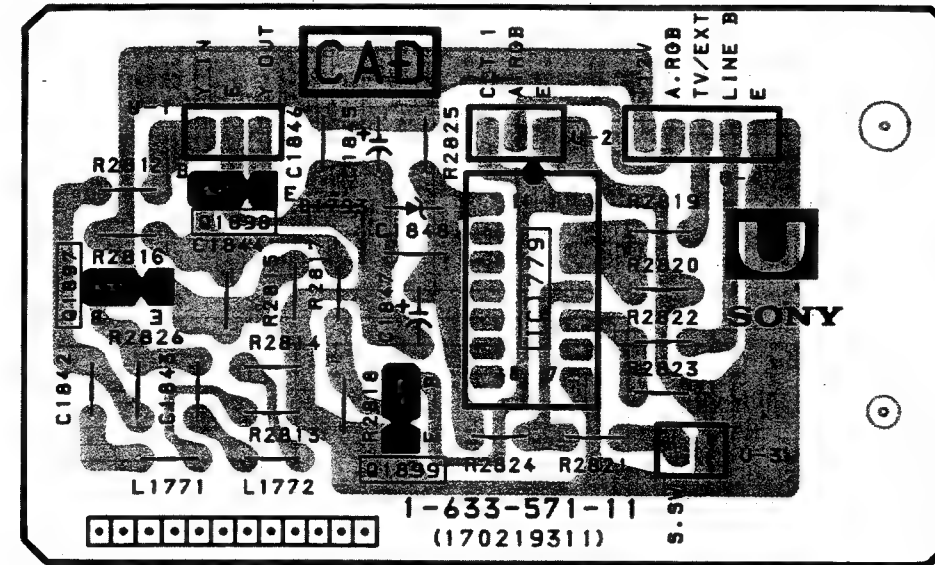
[AUDIO AMP] **K**

**U** [S VIDEO  
CONTROLOR]

— K Board —



— U Board —





**PVM-2730QM**  
**RM-668**





16

17

18

19

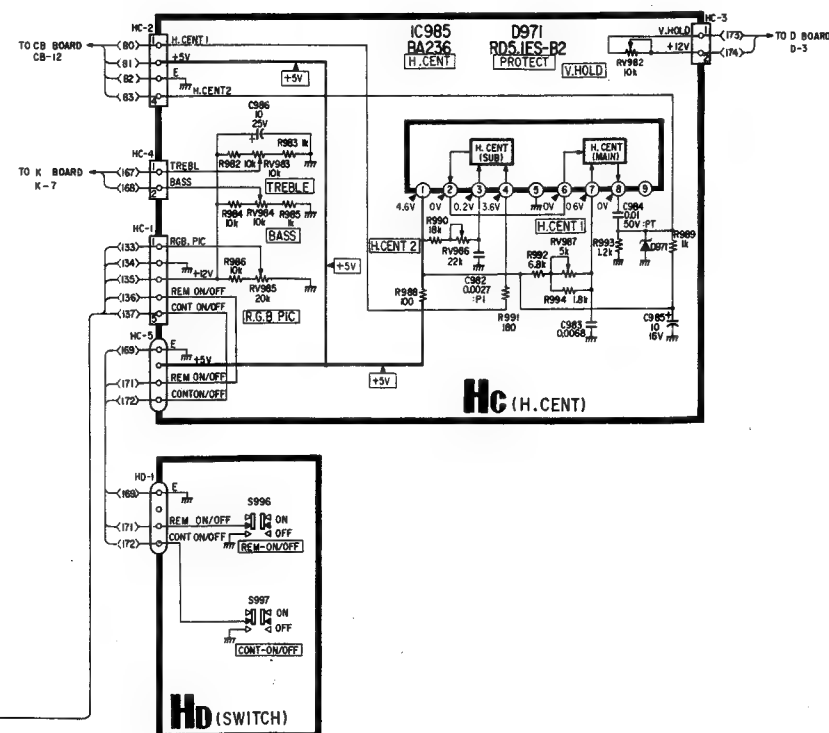
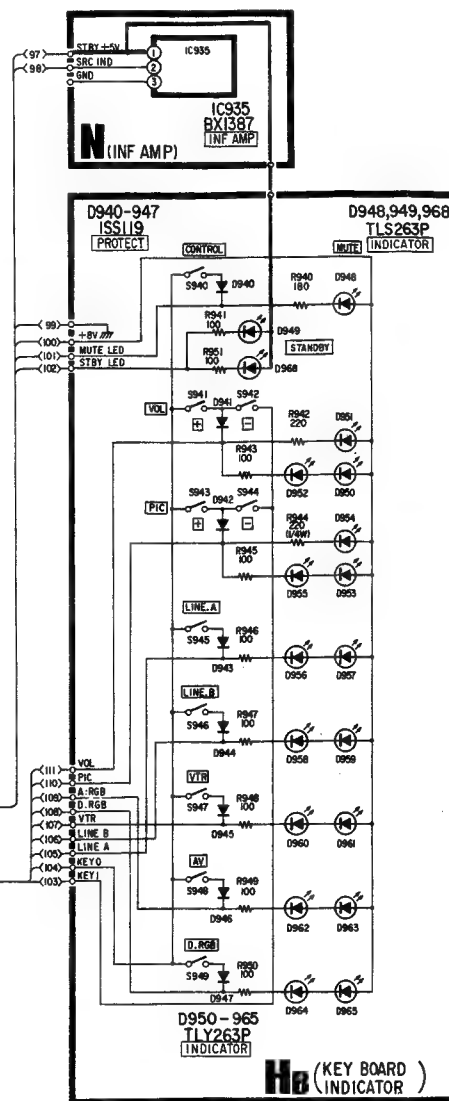
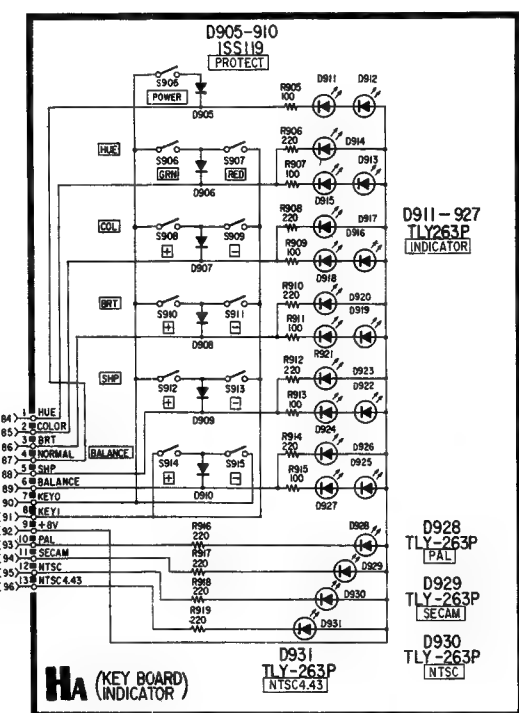
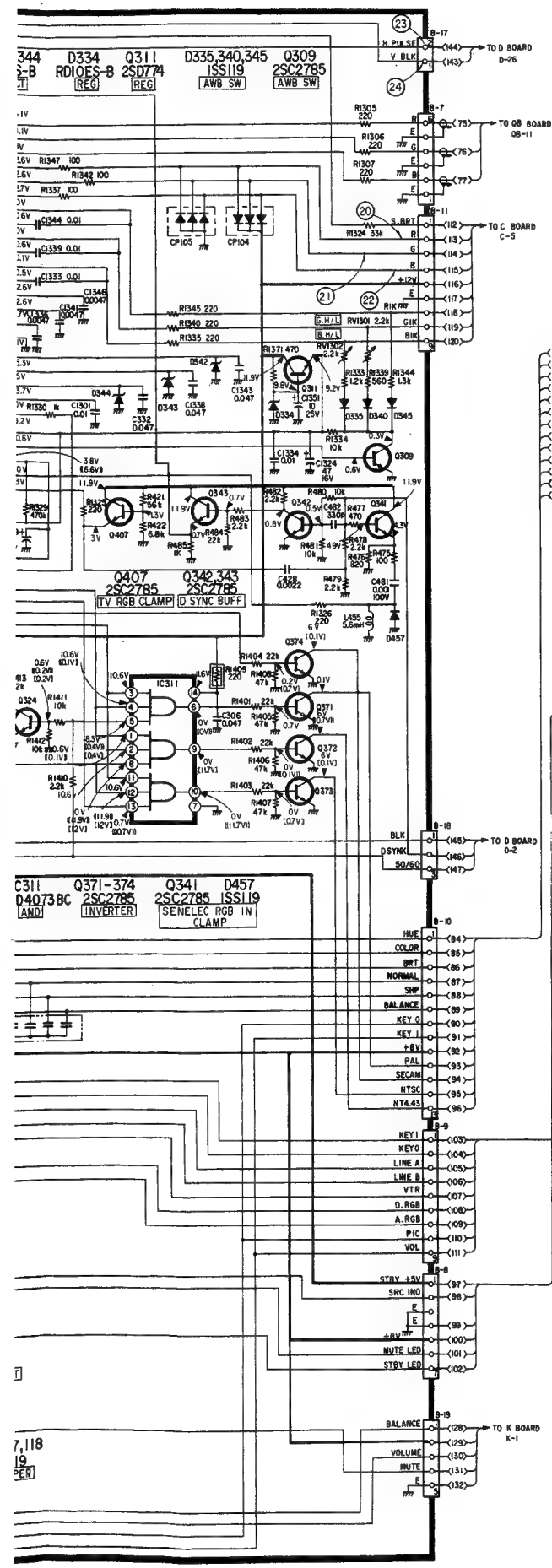
20

21

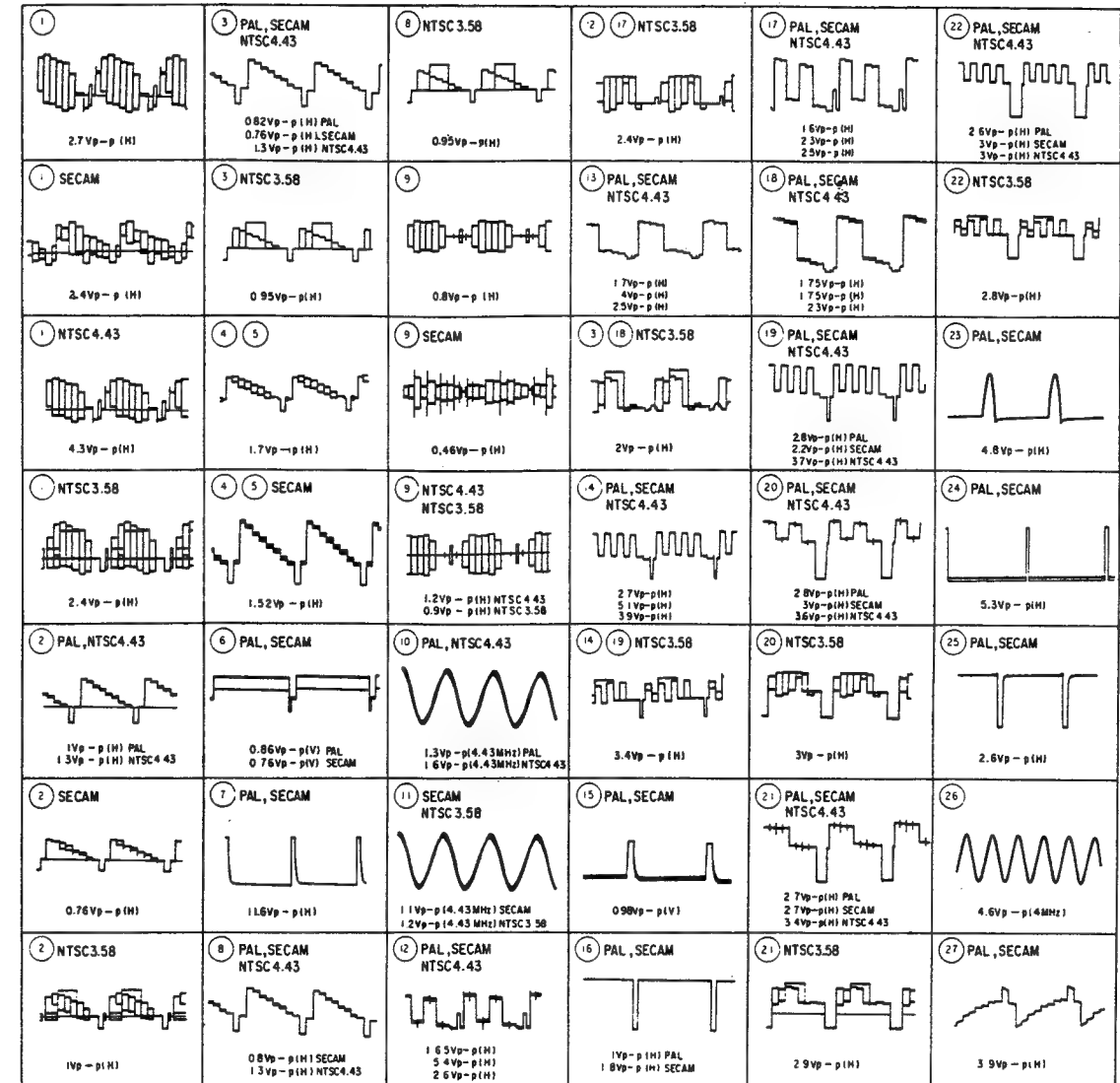
22

23

24



## [B BOARD]



PVM-2730QM  
RM-668

PVM-2730QM  
RM-668

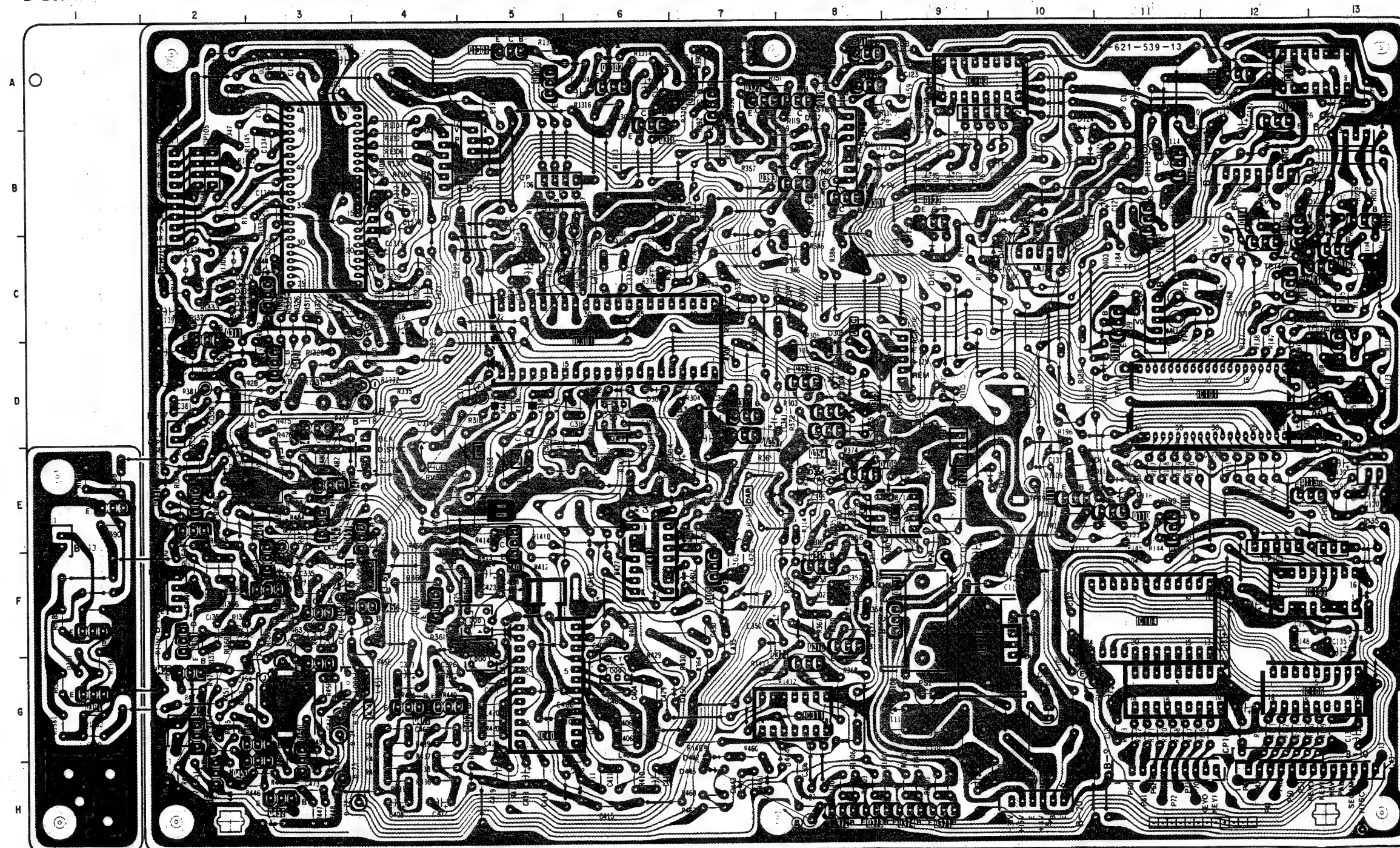
SECAM/PAL/NTSC DETECT, Y/CHROMA  
PROCESS, AUTO MATIC WHITE BALANCE,  
VIDEO D/A CONVERT, REMOTO CONTROL  
DECORDER, LAST MEMORY  
LED DRIVE

B

B

— Conductor Side —

— B Board —



— B BOARD —

IC		DIODE	
IC101	D-12	D101	B-13
IC102	F-13	D102	B-13
IC103	A-9	D103	C-11
IC104	F-11	D104	D-12
IC106	G-13	D108	G-9
IC107	G-11	D110	C-10
IC110	A-13	D111	G-9
IC121	F-10	D112	C-9
IC122	E-9	D113	E-11
IC301	D-6	D114	E-11
IC302	B-3	D115	D-9
IC311	G-8	D116	E-11
IC401	G-5	D117	C-10
IC411	E-9	D118	D-18
IC412	F-6	D120	A-9
		D121	B-8
		D123	B-10
		D124	B-10
		D125	B-10
		D126	A-13
		D127	B-13
		D305	D-8
		D306	E-10
		D307	D-6
		D308	A-7
		D309	A-7
		D334	D-2
		D335	C-2
		D339	C-7
		D340	C-2
		D341	C-8
		D342	A-2
		D343	A-3
		D344	C-3
		D345	C-2
		D351	E-8
		D354	E-8
		D361	B-8
		D362	B-8
		D391	G-1
		D392	E-2
		D401	E-7
		D442	H-7
		D443	H-7
		D444	H-8
		D445	H-7
		D450	G-7
		D454	E-7
		D457	E-2

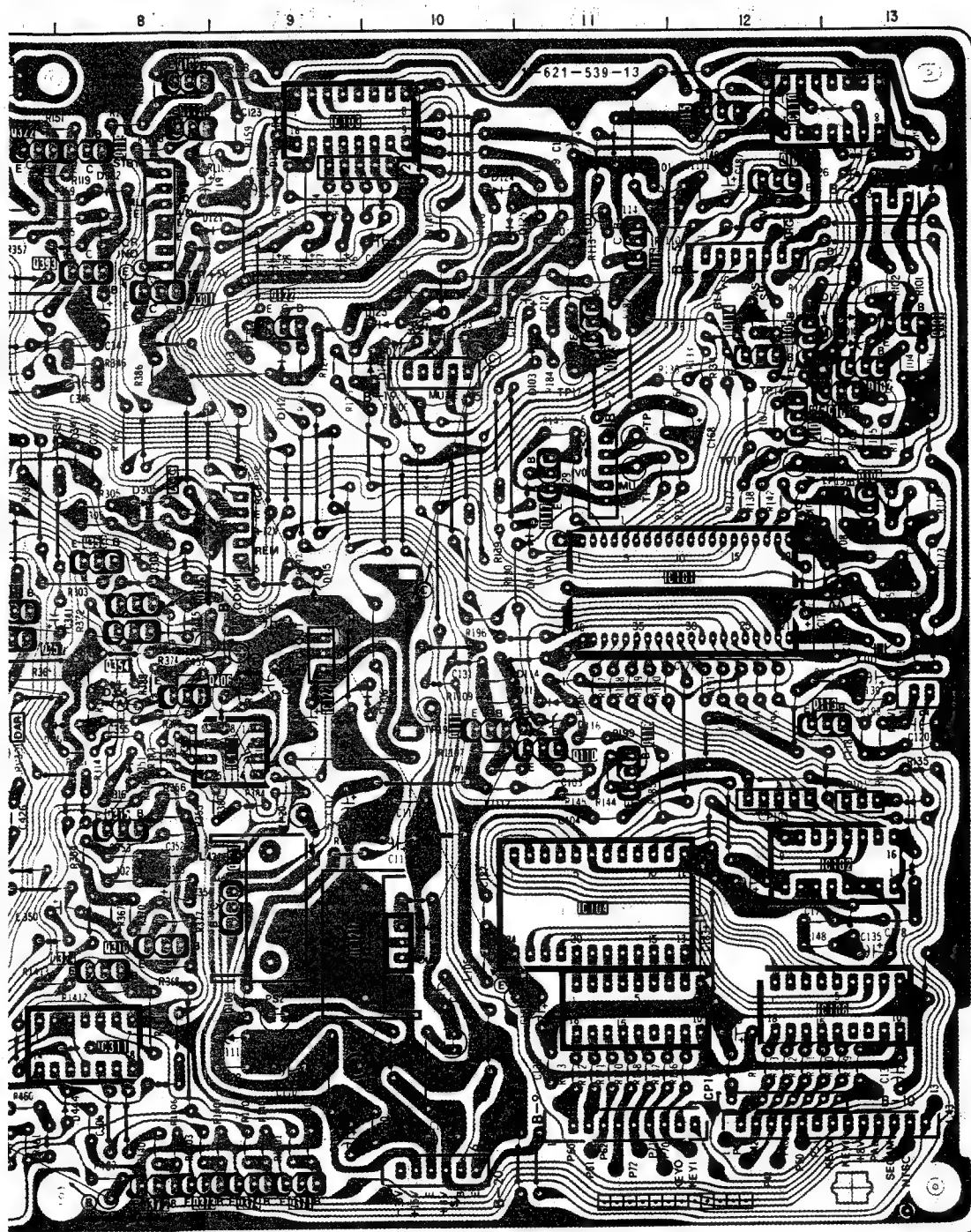
TRANSISTOR		VARIABLE RESISTOR	
Q101	B-13	RV301	E-6
Q102	C-13	RV302	D-7
Q103	C-12	RV303	A-3
Q104	C-13	RV318	E-3
Q105	C-12	RV1301	C-1
Q107	A-12	RV1302	C-1
Q108	D-13		
Q109	A-8		
Q110	E-11		
Q111	E-10		
Q112	A-8		
Q113	E-12		
Q114	C-12		
Q115	A-12		
Q116	B-11		
Q117	C-11		
Q118	E-11		
Q119	A-8		
Q121	F-9		
Q122	B-9		
Q123	B-11		
Q301	B-8		
Q309	C-3		
Q310	A-6		
Q311	C-2		
Q315	F-8		
Q316	F-8		
Q321	A-7		
Q322	A-7		
Q324	G-8		



ROMANCE, NTROL

**B** **B**

[KEY BOARD INDICATOR] **HA** [KEY BOARD INDICATOR] **HB** [H. CENT] **HC**



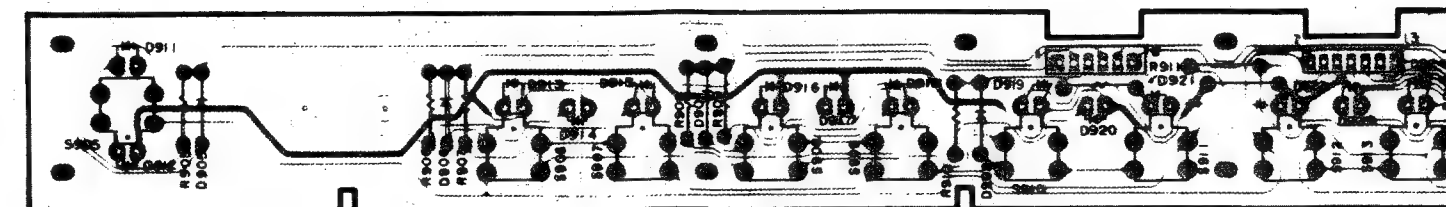
- B BOARD -

IC		DIODE	
IC101	D-12	D101	B-13
IC102	F-13	D102	B-13
IC103	A-9	D103	C-11
IC104	F-11	D104	D-12
IC106	G-13	D108	G-9
IC107	G-11	D110	C-10
IC110	A-13	D111	G-9
IC121	F-10	D112	C-9
IC122	E-9	D113	E-11
IC301	D-6	D114	E-11
IC302	B-3	D115	D-9
IC311	G-8	D116	E-11
IC401	G-5	D117	C-10
IC411	E-9	D118	D-18
IC412	F-6	D120	A-9
		D121	B-8
		D123	B-10
		D124	B-10
		D125	B-10
		D126	A-13
		D127	B-13
		D305	D-8
		D306	E-10
		D307	D-6
		D308	A-7
		D309	A-7
		D334	D-2
		D335	C-2
		D339	C-7
		D340	C-2
		D341	C-8
		D342	A-2
		D343	A-3
		D344	C-3
		D345	C-2
		D351	E-8
		D354	E-8
		D361	B-8
		D362	B-8
		D391	G-1
		D392	E-2
		D401	E-7
		D442	H-7
		D443	H-7
		D444	H-8
		D445	H-7
		D450	G-7
		D454	E-7
		D457	E-2

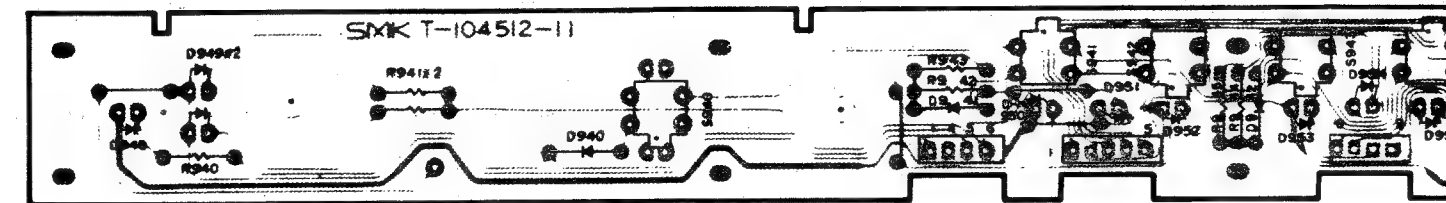
TRANSISTOR	
Q101	B-13
Q102	C-13
Q103	C-12
Q104	C-13
Q105	C-12
Q107	A-12
Q108	D-13
Q109	A-8
Q110	E-11
Q111	E-10
Q112	A-8
Q113	E-12
Q114	C-12
Q115	A-12
Q116	B-11
Q117	C-11
Q118	E-11
Q119	A-8
Q121	F-9
Q122	B-9
Q123	B-11
Q301	B-8
Q309	C-3
Q310	A-6
Q311	C-2
Q315	F-8
Q316	F-8
Q321	A-7
Q322	A-7
Q324	G-8

VARIABLE RESISTOR	
RV301	E-6
RV302	D-7
RV303	A-3
RV318	E-3
RV1301	C-1
RV1302	C-1

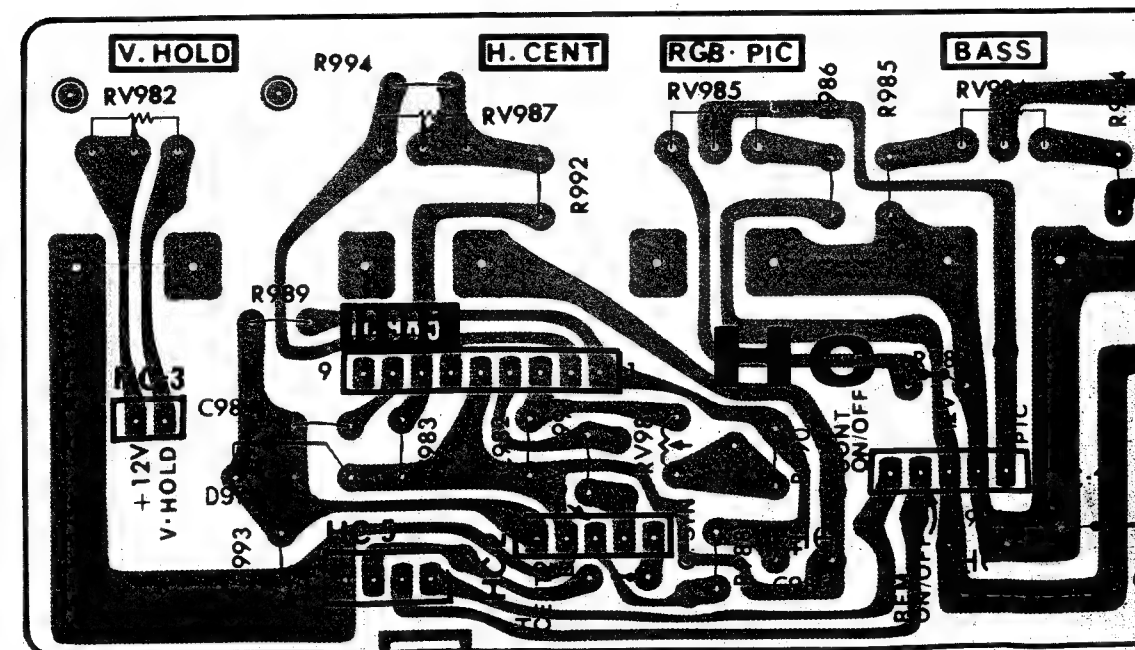
- HA Board -



- HB Board -

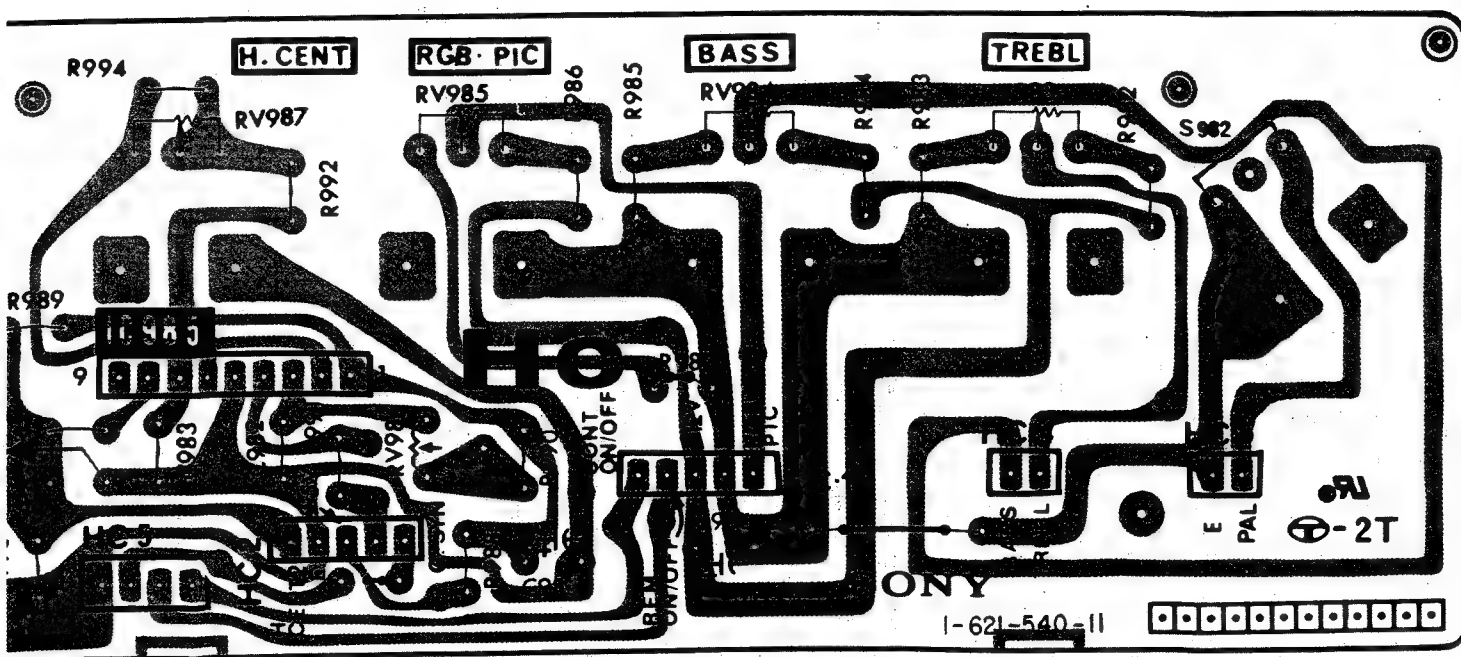
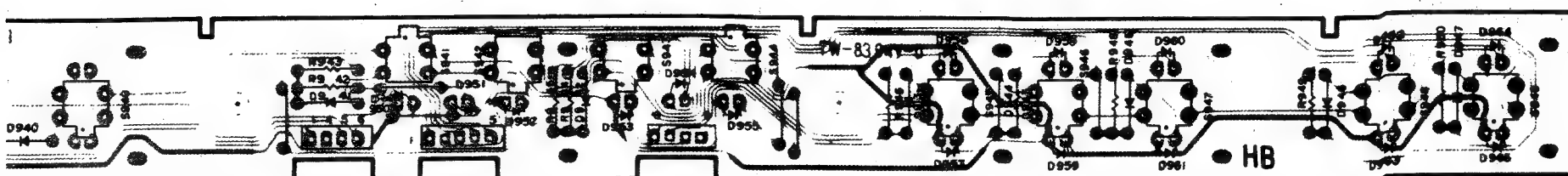
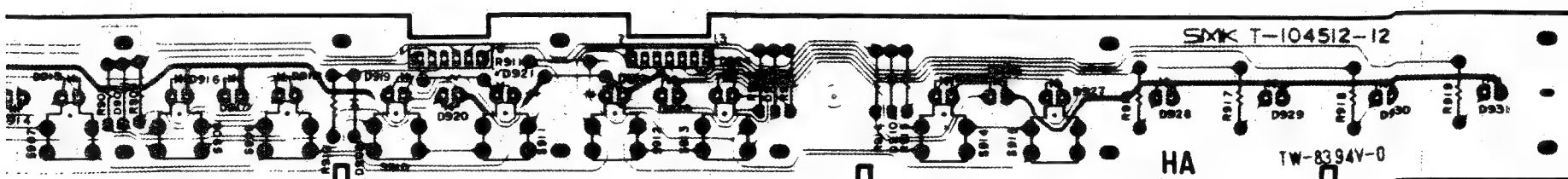


- HC Board -

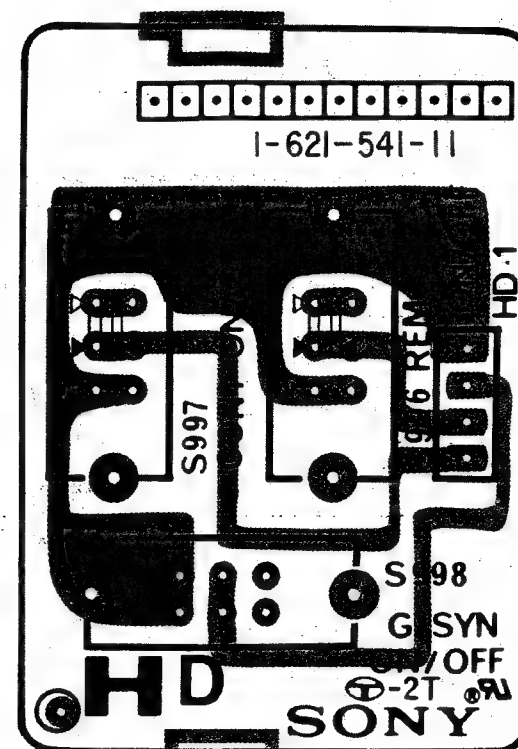


Y BOARD [HA] [KEY BOARD [HB] [H. CENT] [HC] [HA] [HB] [HC] [HD] [SWITCH] [N] [INF AMP]

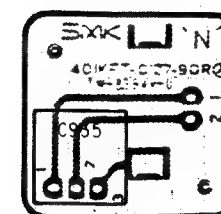
**HD N**

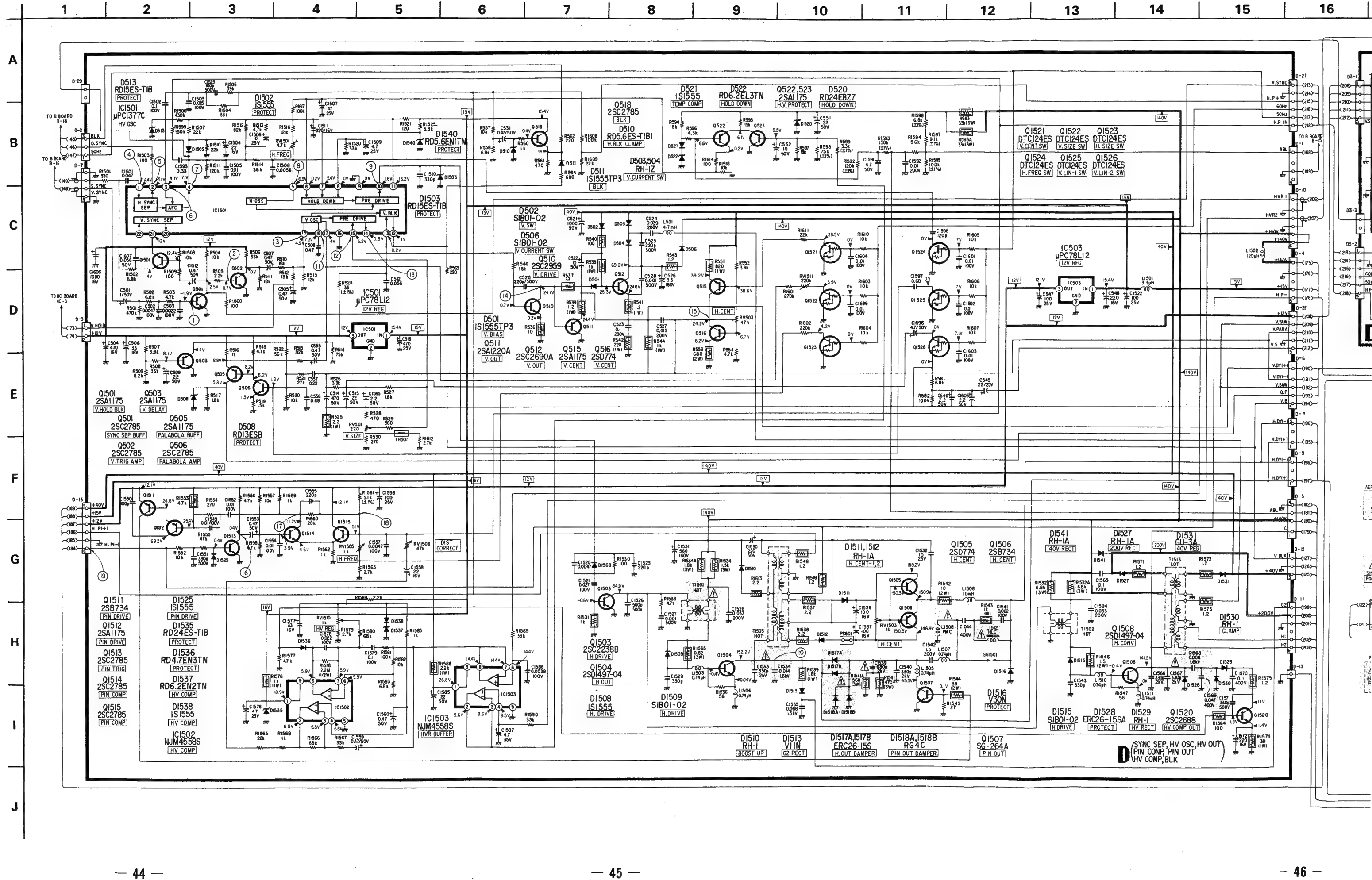


- HD Board -



— N Board —

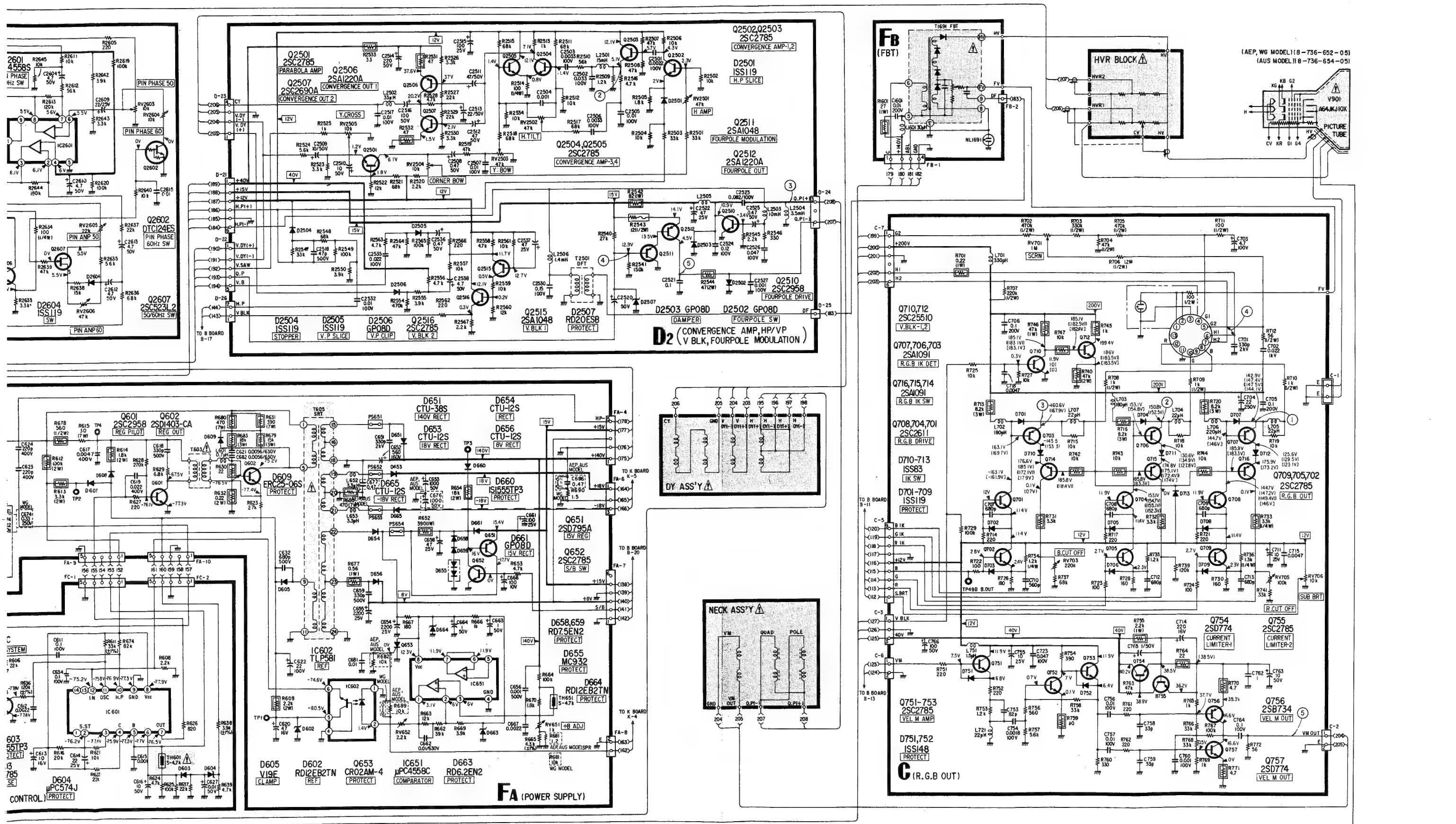












PVM-2730QM  
RM-668

PVM-2730QM  
RM-668

SYNC SEP, HV OSC, HV OUT  
PIN CONP, PIN OUT  
HV CONP, BLK

D

D

— Conductor Side —

— D Board —

— D BOARD —

— C Board

IC		DIODE	
IC501	C-10	D501	C-13
IC503	C-6	D502	E-12
IC1501	A-9	D503	E-12
IC1502	G-12	D504	E-12
IC1503	G-13	D506	E-13
		D508	C-11
		D510	B-7
		D511	A-6
		D513	B-8
		D520	H-9
		D521	H-8
		D522	H-8
		D1502	B-6
		D1503	A-8
		D1508	D-5
		D1509	E-2
		D1510	C-4
		D1511	B-5
		D1512	A-5
		D1513	B-3
		D1515	E-4
		D1516	A-3
		D1525	C-7
		D1527	F-7
		D1528	F-5
		D1529	G-8
		D1530	G-7
		D1531	E-6
		D1535	G-12
		D1536	G-11
		D1537	H-11
		D1538	G-11
		D1540	A-8
		D1541	G-7
		D1517A	D-2
		D1517B	D-2
		D1518A	D-1
		D1518B	D-1
		VARIABLE RESISTOR	
		RV501	A-12
		RV503	B-13
		RV1501	B-7
		RV1503	A-4
		RV1505	C-7
		RV1506	E-9
		RV1510	G-12
		RV1511	D-9

— FB Board



D

[R · G · B OUT]

C

[FBT]

FB

[CONVERGENCE AMP, HP/VP  
V BLK, FOURPOLE MODULATION]

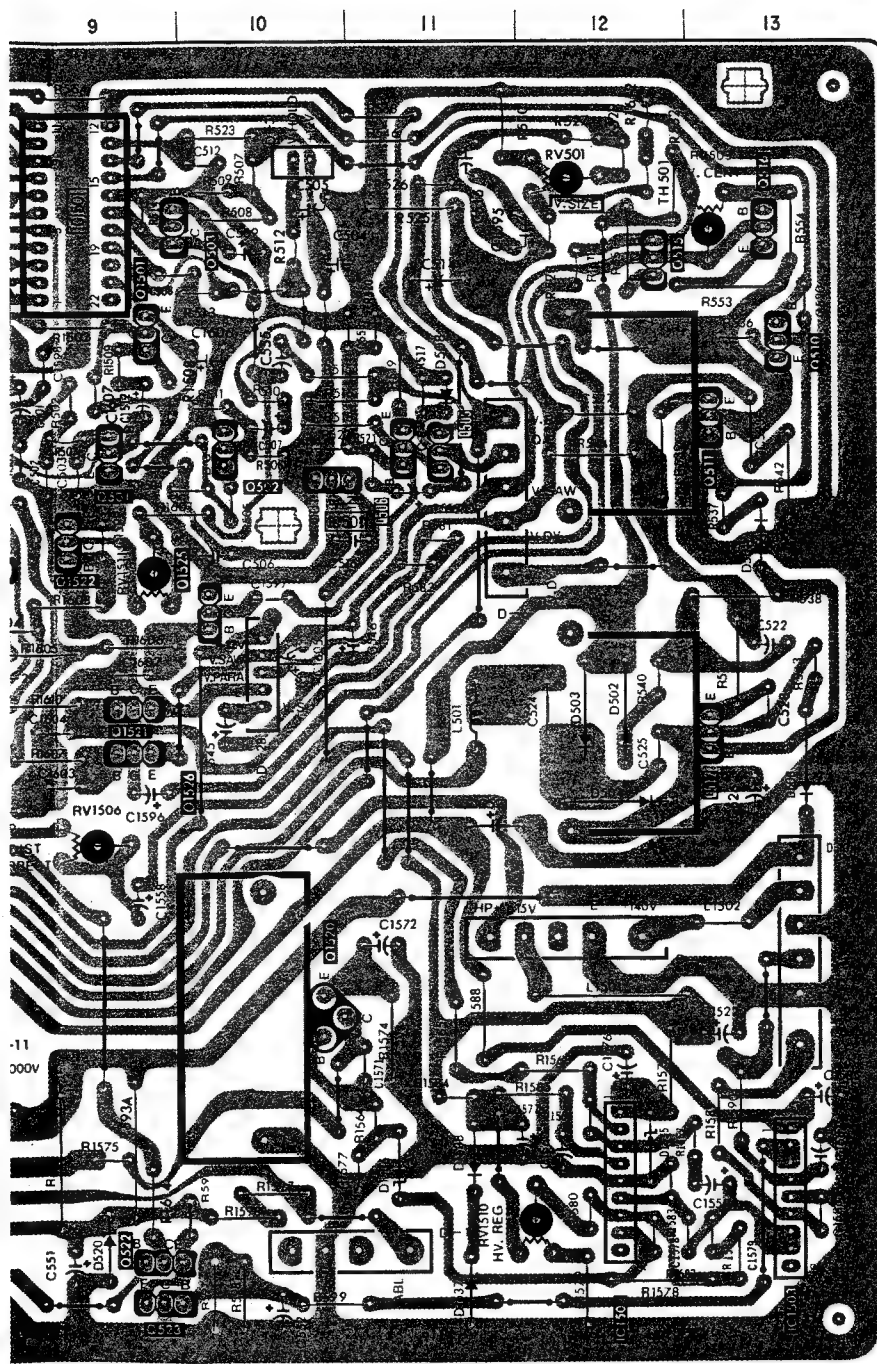
D2

[POWER CONTROL]

FC

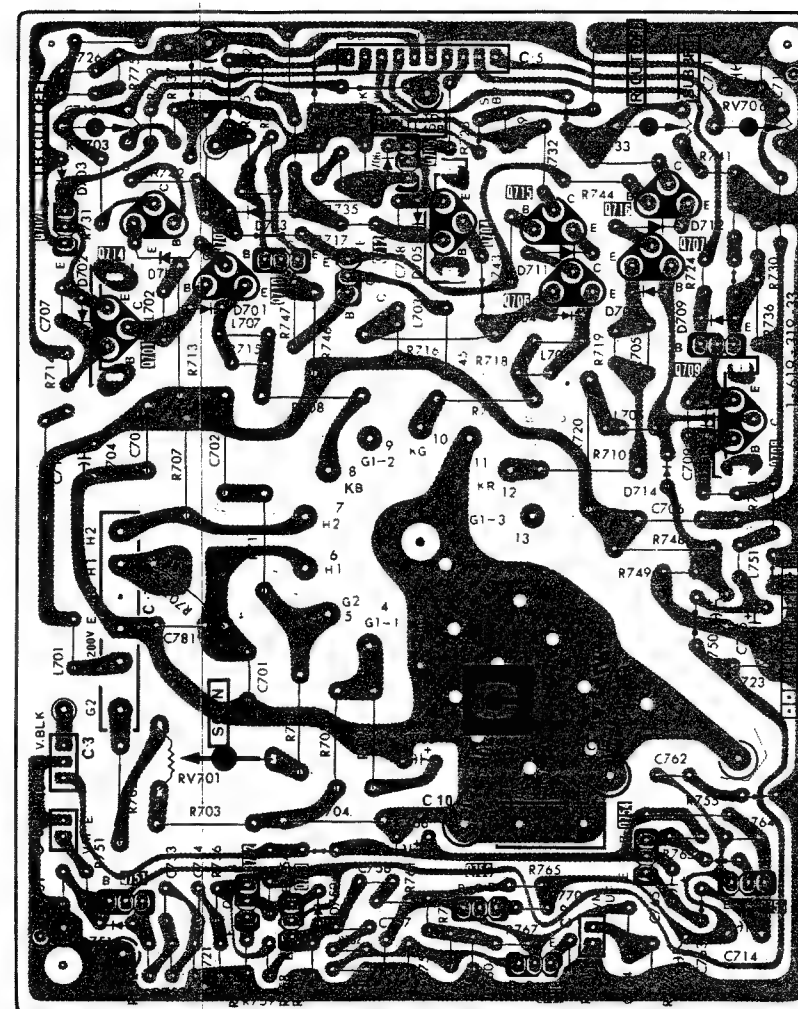
FA

- D BOARD -

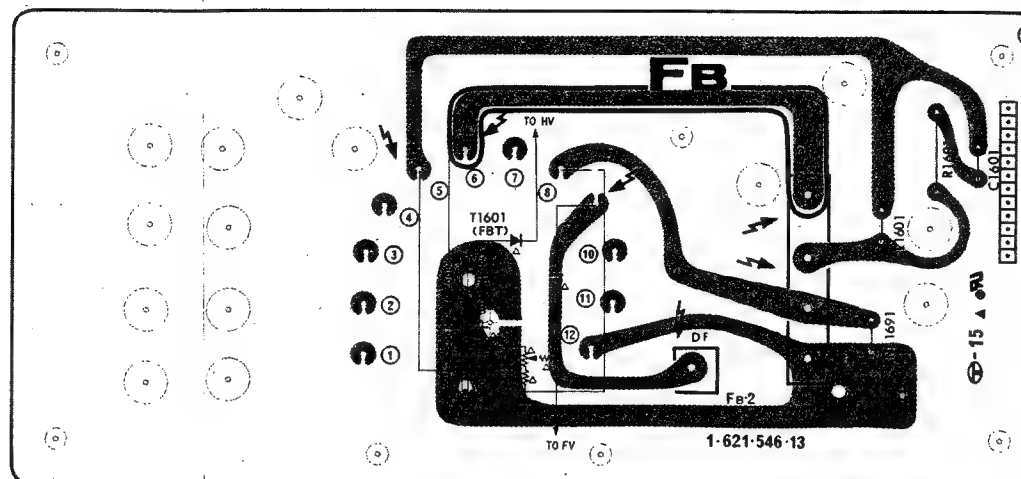


IC		DIODE	
IC501	C-10	D501	C-13
IC503	C-6	D502	E-12
IC1501	A-9	D503	E-12
IC1502	G-12	D504	E-12
IC1503	G-13	D506	E-13
		D508	C-11
		D510	B-7
		D511	A-6
		D513	B-8
		D520	H-9
		D521	H-8
		D522	H-8
		D1502	B-6
		D1503	A-8
		D1508	D-5
		D1509	E-2
		D1510	C-4
		D1511	B-5
		D1512	A-5
		D1513	B-3
		D1515	E-4
		D1516	A-3
		D1525	C-7
		D1527	F-7
		D1528	F-5
		D1529	G-8
		D1530	G-7
		D1531	E-6
		D1535	G-12
		D1536	G-11
		D1537	H-11
		D1538	G-11
		D1540	A-8
		D1541	G-7
		D1517A	D-2
		D1517B	D-2
		D1518A	D-1
		D1518B	D-1
		VARIABLE RESISTOR	
		RV501	A-12
		RV503	B-13
		RV1501	B-7
		RV1503	A-4
		RV1505	C-7
		RV1506	E-9
		RV1510	G-12
		RV1511	D-9
		TRANSISTOR	
Q501	C-9		
Q502	C-10		
Q503	B-9		
Q505	C-11		
Q506	C-11		
Q510	B-13		
Q511	C-13		
Q512	E-13		
Q515	B-12		
Q516	B-13		
Q518	B-6		
Q522	H-9		
Q523	H-9		
Q1501	B-9		
Q1503	E-4		
Q1504	E-2		
Q1505	A-6		
Q1506	A-6		
Q1507	F-3		
Q1508	E-3		
Q1511	E-7		
Q1512	E-7		
Q1513	D-7		
Q1514	D-7		
Q1515	D-8		
Q1520	F-10		
Q1521	D-9		
Q1522	D-9		
Q1523	C-8		
Q1524	D-8		
Q1525	D-10		
Q1526	E-9		

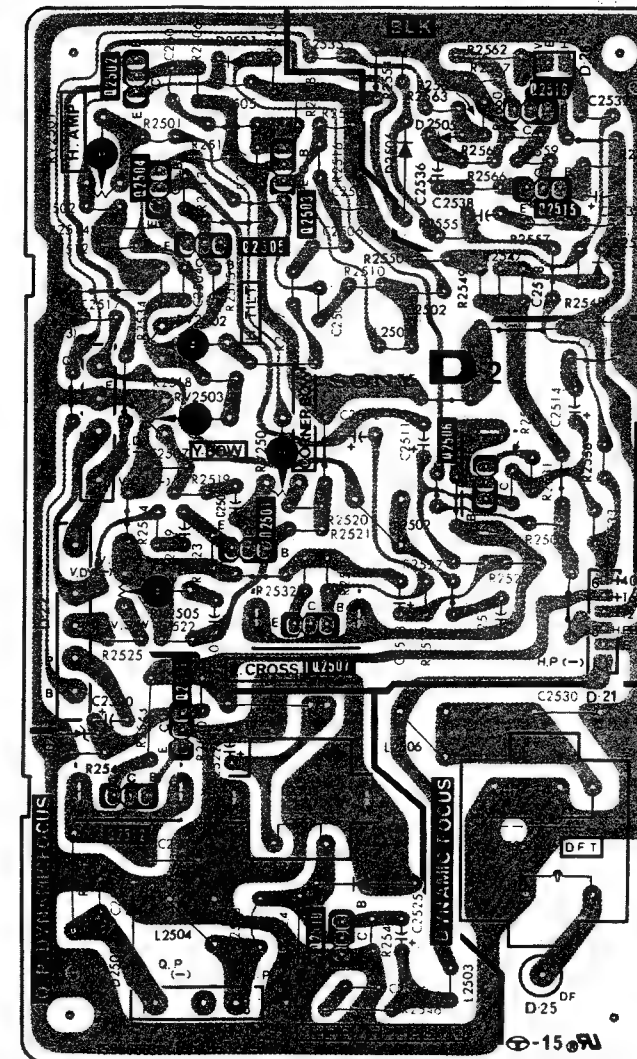
- C Board -



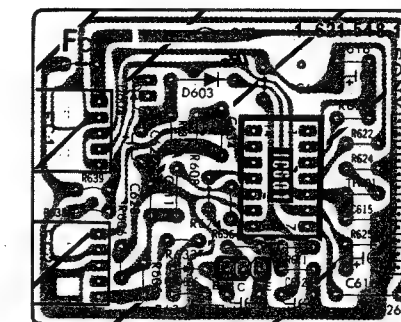
- FB Board -



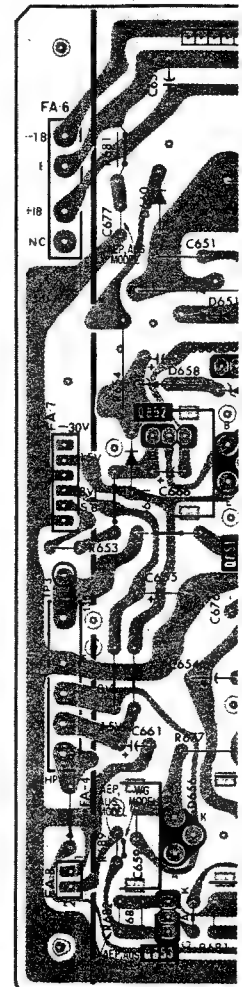
- D2 Board -



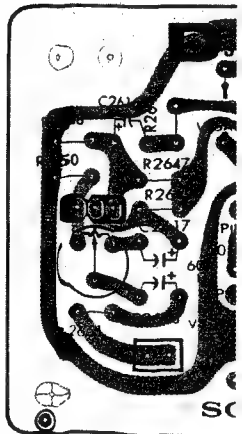
- FC Board -



- FA Board -



- D3 Board -



VERGENCE AMP, HP/VP  
\_K, FOURPOLE MODULATION]

## D2.

[POWER CONTROL]

**FC**

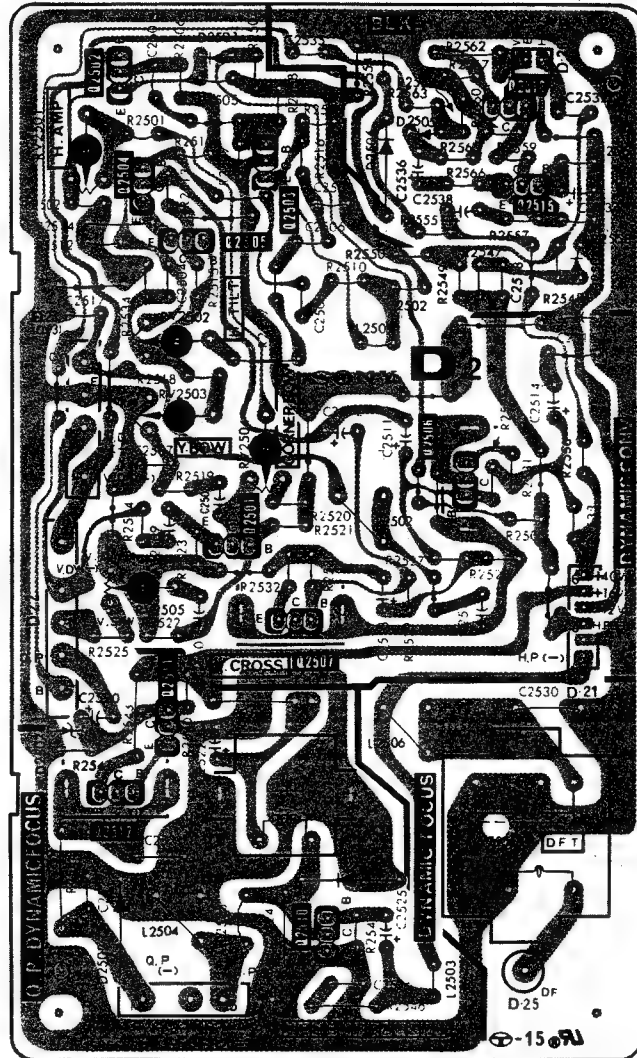
**FA**

[POWER SUPPLY]

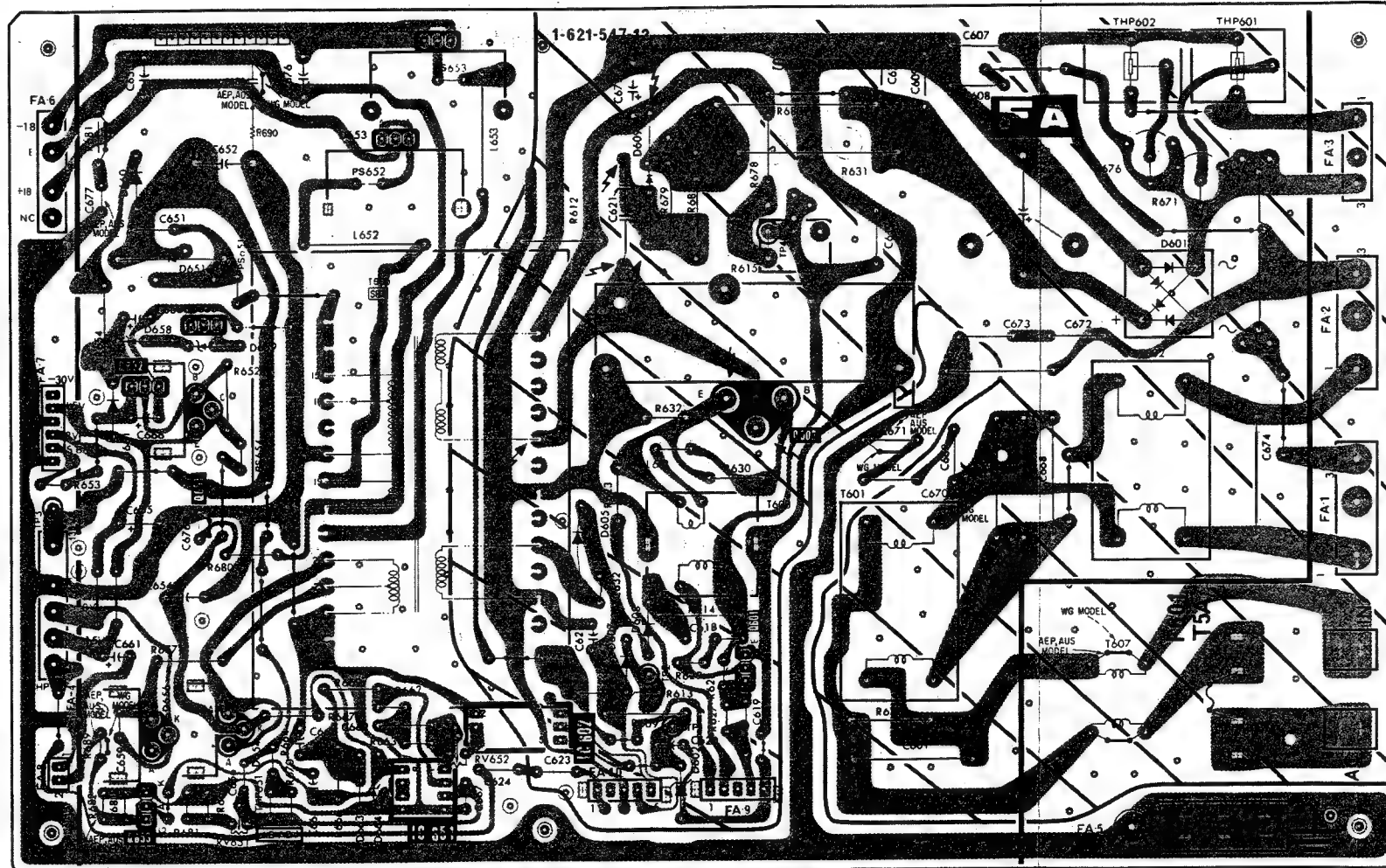
D3

[ PIN PHASE - ]  
[ PIN AMP 50/60 ]

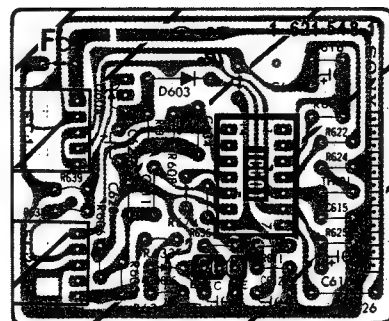
**- D2 Board -**



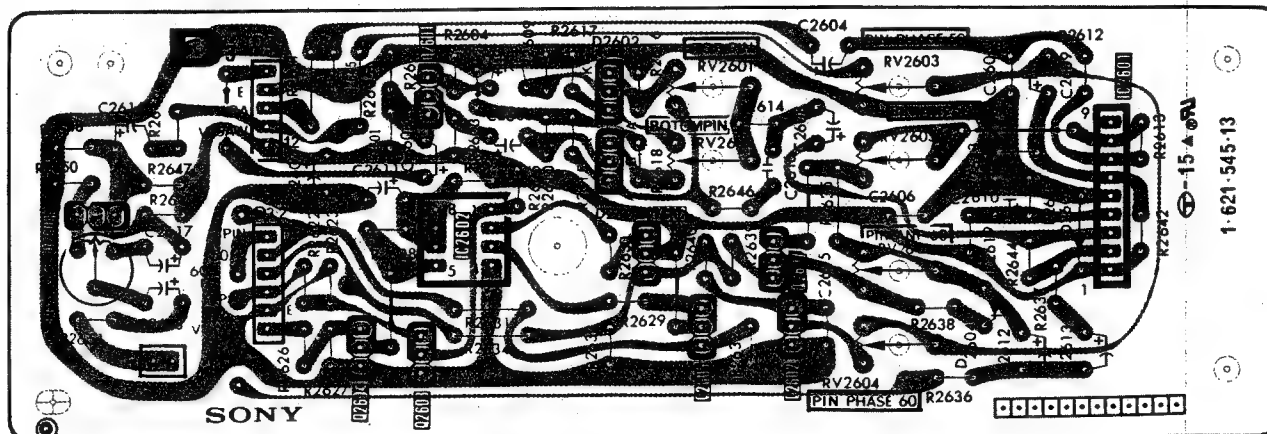
**- FA Board -**



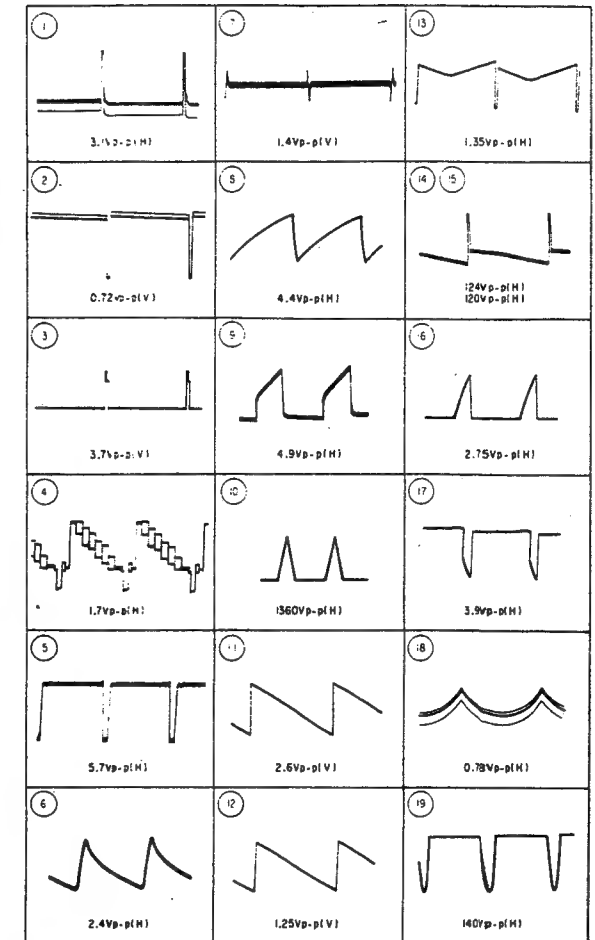
**- FC Board -**



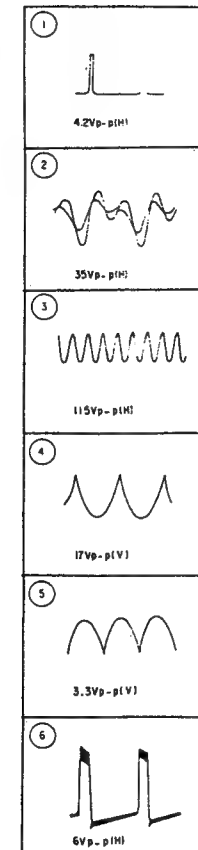
**- D3 Board -**



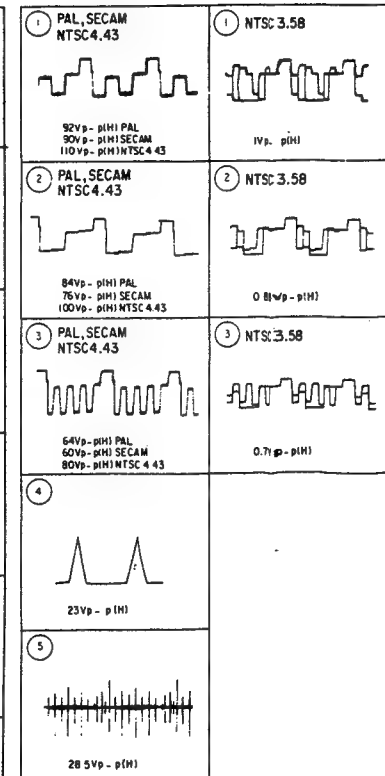
**【D BOARD】**



**【D2 BOARD】**



**【C BOARD】**



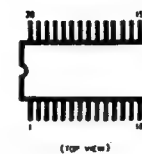


# 5-5. SEMICONDUCTORS

BA236  
LA7910  
RC4558S



CX7947



μ PC574J



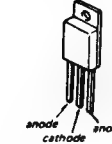
2SA1091  
2SC2551



2SC2673



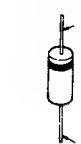
CTU-12S



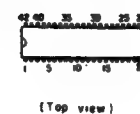
MC911



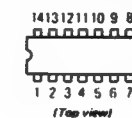
RG41



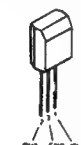
CXA1001AP



SN74LS09N  
SN74LS86N  
TC4073BP  
TC4082BP  
μ PC1394C  
μ PD4066BC  
μ PD4073BC



μ PC78L12



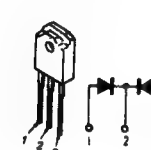
2SA1175  
2SC2785



2SD788



CTU-38S



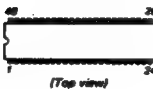
MC931



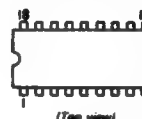
SG26



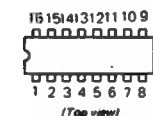
CXA1024S



TD62381P



CXK1005P  
SN74LS138N  
TA7630P  
μ PD4052BC  
μ PD6326C



μ PC7805H  
μ PC7812H



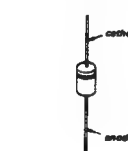
2SA1220A  
2SC2611  
2SC2688  
2SC2690A



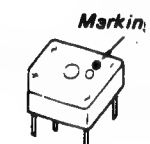
2SD1403-CA



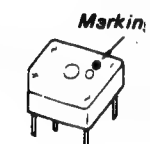
ERC25-06S  
RH-1  
RH-1A  
RH-1Z



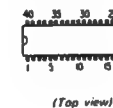
RD12E-R2  
RD24E-BZ7TN  
RD5.6E-N1TN  
RD6.2E-B1  
RD6.2E-N2TN  
RD6.2E-L3TN  
RD6.2E-N2  
RD7.5E-N2  
1SS83  
1S1555  
10E-2



S3WB



μ PD7508HCU-258



2SB734  
2SC2958  
2SC2959  
2SD773  
2SD774



2SD1497-04

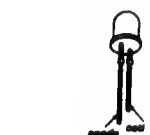


ERC26-15S  
ERC26-15SA  
GU-3A  
V11N  
V19E  
V30N

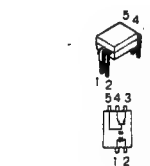


RD10ES-B2  
RD12ES-B  
RD13ES-B  
RD13ES-B2  
RD15ES-B  
RD20ES-B  
RD24ES-B  
RD3.6ES-B1  
RD5.1ES-B  
RD5.1ES-B2  
RD5.6ES-B1  
RD5.6ES-B3  
RD6.2ES-B2  
RD6.8ES-B  
RD6.8ES-B2  
RD8.2ES-B2  
RD9.1ES-B3  
1SS119

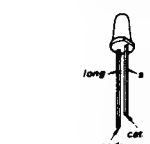
SLR-93



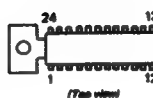
TLP58



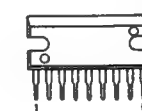
TLS26  
TLY26



CX175



μ PC1188H



μ PD8243C



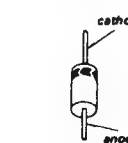
2SC2238B  
2SC2334-L  
2SD795A



2SK523-L2



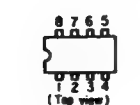
GP08D



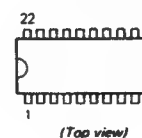
CR02AM-4



CX23025  
NJM4558C  
μ PC358C  
μ PC4558C



μ PC1377C



DTC124ES  
DTC144ES  
2SA1048



## SECTION 6 EXPLODED VIEWS

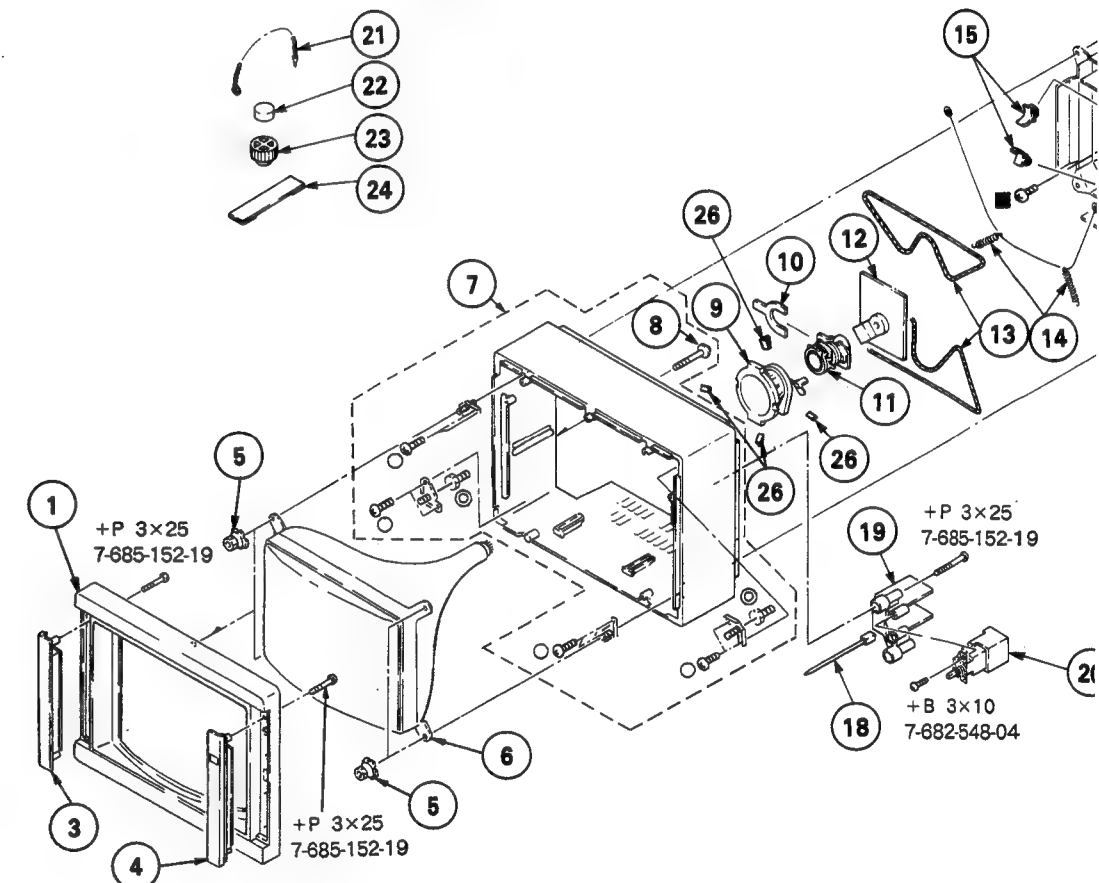
### NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

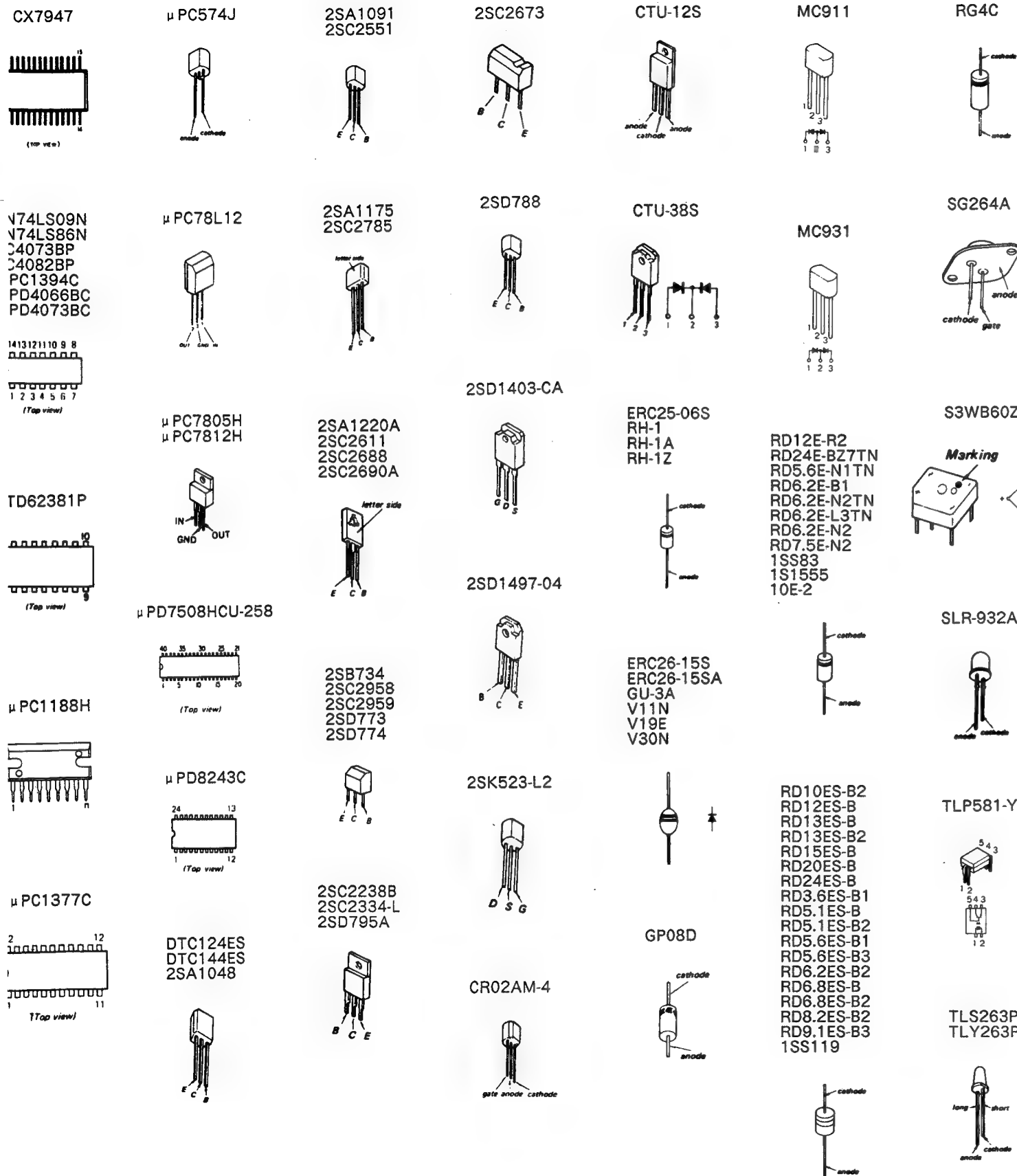
The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

### 6-1. PICTURE TUBE

- $\Delta$ : +BVTP 4x12 7-685-661-14
- $\odot$ : BOLT, HEXAGON 5x20 7-683-340-07
- $\circ$ : +BVTP 4x20 7-685-664-79
- $\blacksquare$ : +BVTP 3x8 7-685-646-79



No.	Part No.	Description	Remark	No.	Part No.	Description
1	X-4374-191-1	BEZEL ASSY	2	14	4-303-774-XX	SPRING
2	3-703-083-00	+ BV 3X25		15	*4-371-629-01	STOPPER, WI
3	1-464-792-11	KEY BOARD UNIT (A)		16	4-306-034-00	FLANGE NUT,
4	1-464-793-11	KEY BOARD UNIT (B)		17	$\Delta$ 1-230-712-22	RESISTOR AS
5	4-376-980-01	NUT, SPECIAL, PICTURE TUBE		18	*4-371-182-01	SHAFT
6	$\Delta$ 8-736-652-05	PICTURE TUBE (A64JKJ10X) (AEP, WG ONLY)		19	*4-371-183-01	COVER, MAIN
7	$\Delta$ 8-736-654-05	PICTURE TUBE (A64JKJ10X) (AUS ONLY)		20	$\Delta$ 1-554-966-12	SWITCH, PUS
8	X-4374-192-1	CABINET ASSY	8	21	4-308-870-00	CLIP, LEAD
9	4-319-520-11	SCREW, SPECIAL (+PW4X30)		22	1-452-032-00	MAGNET, DIS
10	$\Delta$ 1-451-255-23	DEFLECTION YOKE (Y27FXA)		23	1-452-094-00	MAGNET, ROT
11	1-452-146-21	MAGNET, BMC		24	X-4308-815-0	PERMA-LOY A
12	$\Delta$ 1-452-351-22	NECK ASSY, PICTURE TUBE (NA302)		26	3-703-003-00	SPACER, DY
13	*A-1330-789-A	C BOARD, COMPLETE				
	$\Delta$ 1-426-278-22	COIL, DEMAGNETIZATION				





SECTION 6  
EXPLODED VIEWS

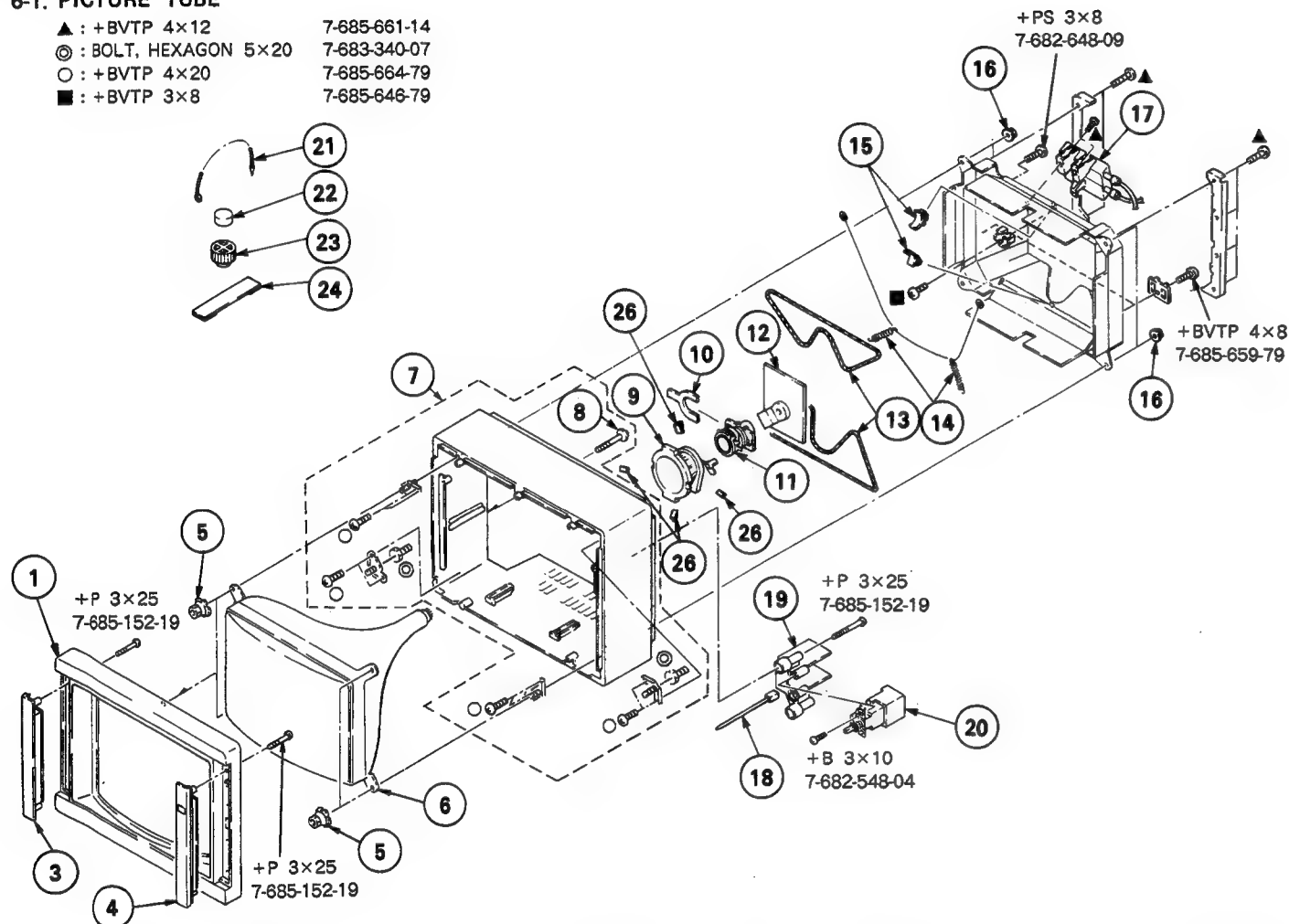
## NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety.  
Replace only with part number specified.

## 6-1. PICTURE TUBE

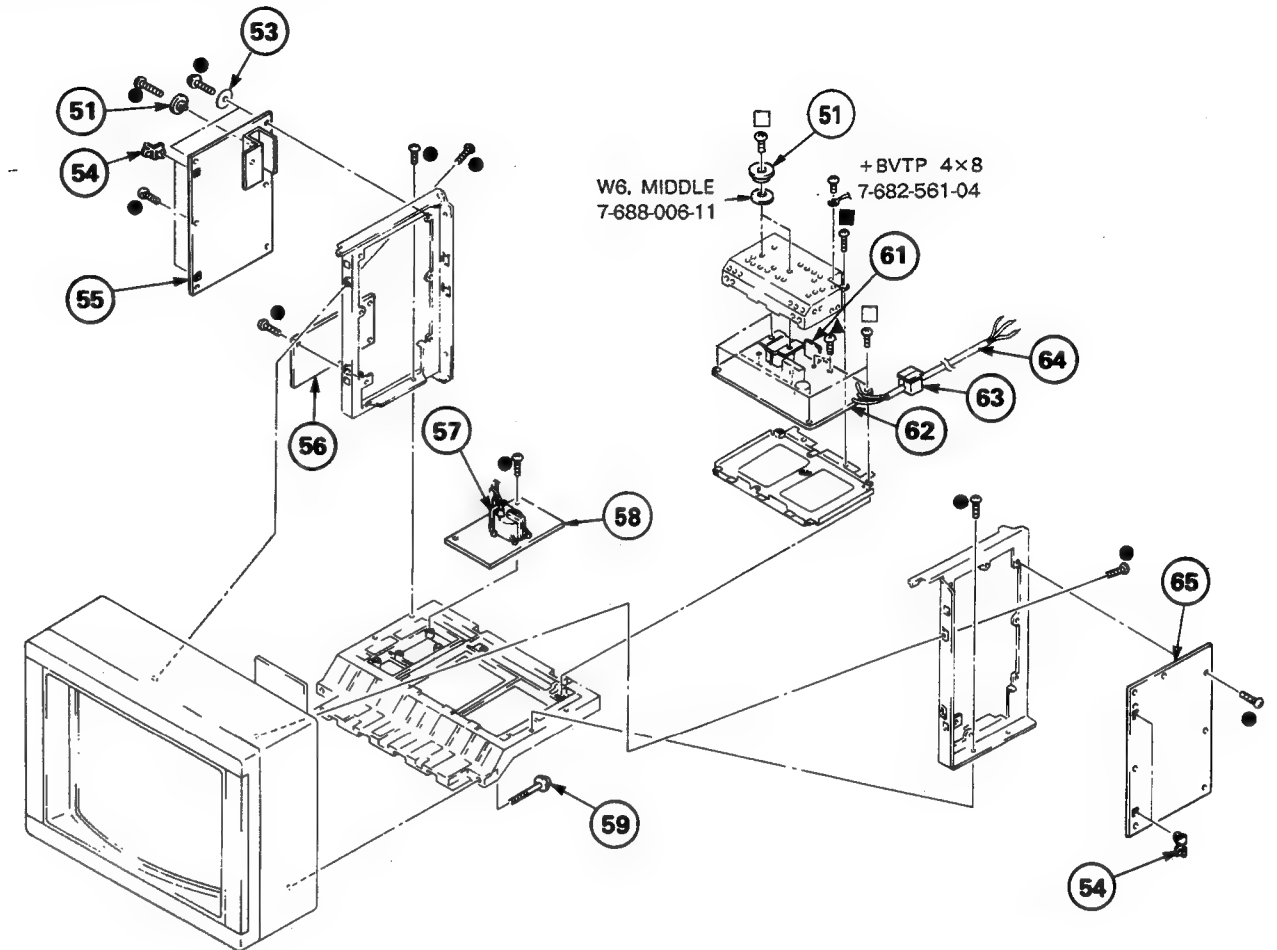
- ▲: +BVTP 4×12 7-685-661-14
- ⊙: BOLT, HEXAGON 5×20 7-683-340-07
- : +BVTP 4×20 7-685-664-79
- : +BVTP 3×8 7-685-646-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4374-191-1	BEZEL ASSY	2	14	4-303-774-XX	SPRING	
2	3-703-083-00	+ BV 3X25		15	*4-371-629-01	STOPPER, WIRE	
3	1-464-792-11	KEY BOARD UNIT (A)		16	4-306-034-00	FLANGE NUT, (B) 5MM	
4	1-464-793-11	KEY BOARD UNIT (B)		17	▲1-230-712-22	RESISTOR ASSY, HIGH-VOLTAGE	
5	4-376-980-01	NUT, SPECIAL, PICTURE TUBE		18	*4-371-182-01	SHAFT	
6	▲8-736-652-05	PICTURE TUBE (A64JK10X) (AEP, WG ONLY)		19	*4-371-183-01	COVER, MAIN SWITCH	
7	▲8-736-654-05	PICTURE TUBE (A64JK10X) (AUS ONLY)		20	▲1-554-966-12	SWITCH, PUSH (AC POWER) (1 KEY)	
8	X-4374-192-1	CABINET ASSY	8	21	4-308-870-00	CLIP, LEAD WIRE	
9	4-319-520-11	SCREW, SPECIAL (+PW4X30)		22	1-452-032-00	MAGNET, DISK; 10MM Ø	
10	▲1-451-255-23	DEFLECTION YOKE (Y27FXA)		23	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
11	1-452-146-21	MAGNET, BMC		24	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
12	▲1-452-351-22	NECK ASSY, PICTURE TUBE (NA302)		26	3-703-003-00	SPACER, DY	
13	*A-1330-789-A	C BOARD, COMPLETE					
	▲1-426-278-22	COIL, DEMAGNETIZATION					

## 6-2. CHASSIS

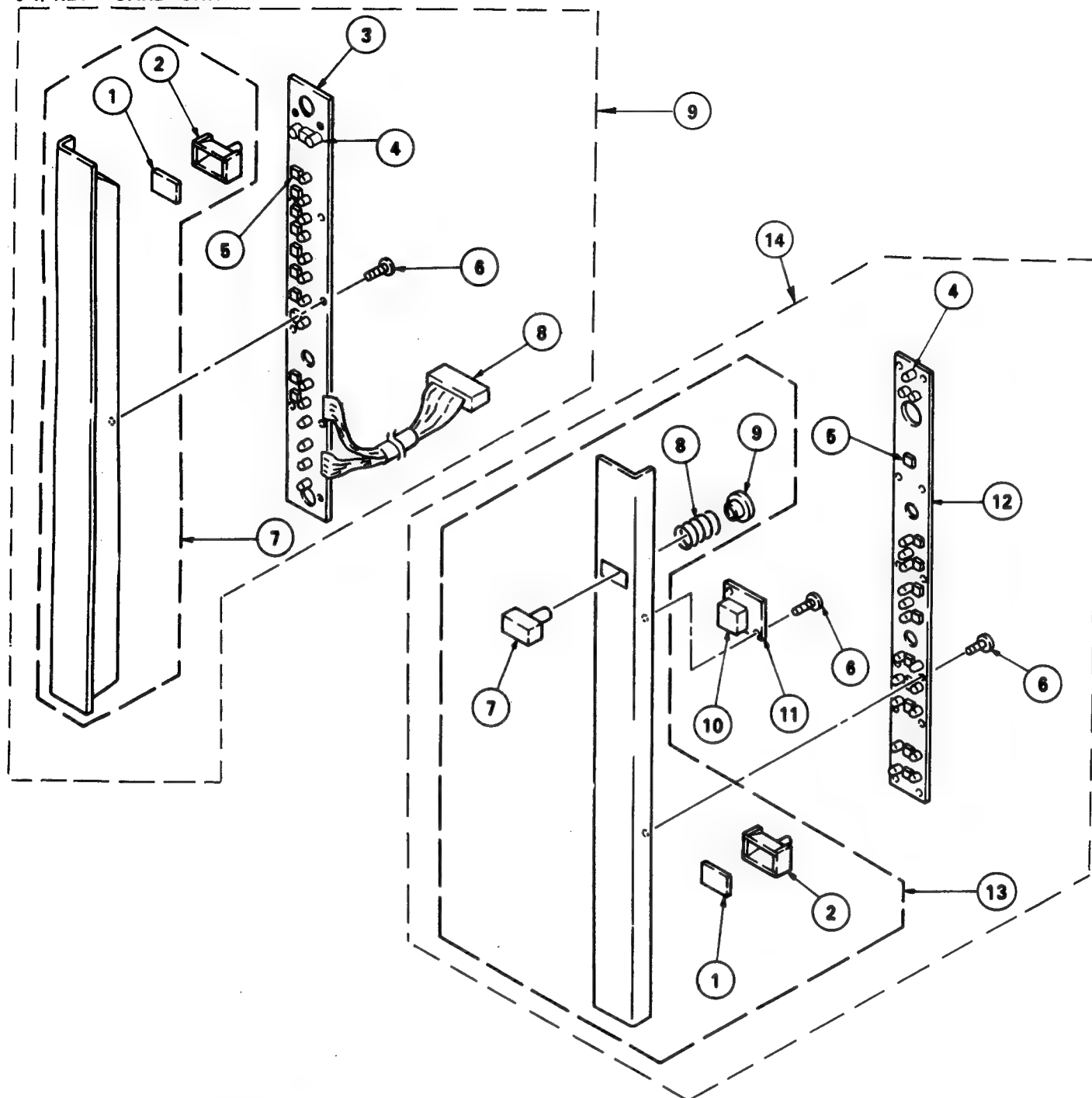
- : +BVTP 3×12 7-685-648-79
- : +BVTP 3×8 7-685-646-79
- : +P 3×12 7-682-150-01
- ▲: +BVTP 4×12 7-685-661-14



The components identified by shading and mark ▲ are critical for safety.  
Replace only with part number specified.

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	3-703-320-00	BUSHING (A), TRANSISTOR		61	*1-621-548-11	FC BOARD	
52	4-383-101-01	WASHER (DIA.14)		62	*A-1245-387-A	FA BOARD, COMPLETE (AEP, AUS ONLY)	61
53	*4-313-732-00	CLIP, HINGE, CIRCUIT BOARD			*A-1245-411-A	FA BOARD, COMPLETE (WG, ONLY)	61
54	*A-1345-699-A	D BOARD, COMPLETE		63	▲*4-364-726-01	BUSHING, AC CORD (WG, ONLY)	
55	*A-1340-941-A	D3 BOARD, COMPLETE			▲*4-364-745-01	BUSHING, AC CORD (AEP, AUS ONLY)	
56	▲1-439-339-14	TRANSFORMER ASSY, FLYBACK		64	▲1-559-409-12	POWER CORD (WG ONLY)	
57	*1-621-546-13	FB BOARD			▲1-534-820-13	POWER CORD (AEP, AUS ONLY)	
58	4-319-520-11	SCREW, SPECIAL (+PW4X30)		65	*A-1135-442-A	B BOARD, COMPLETE	

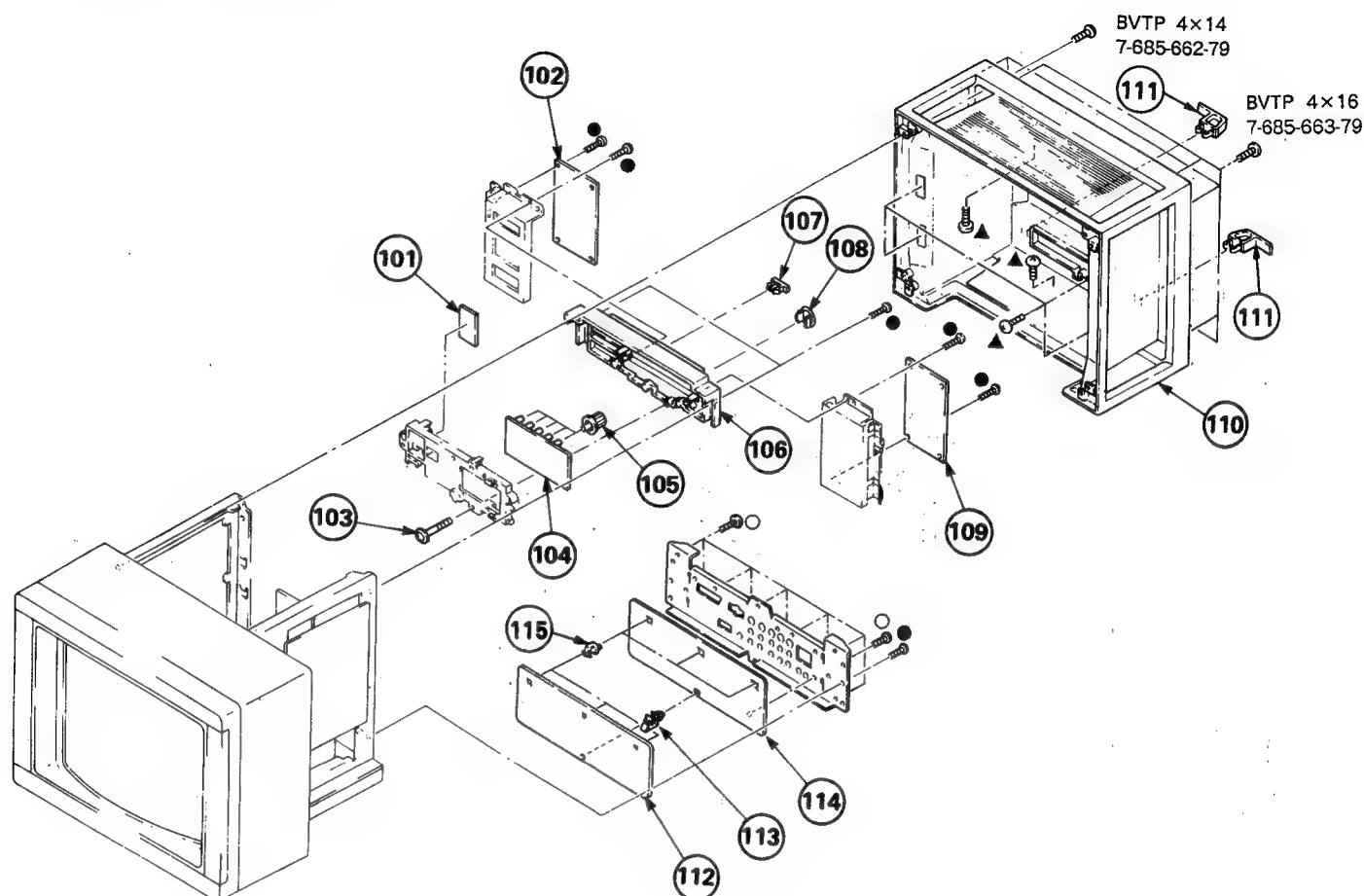
**6-4. KEY BOARD UNIT**



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	9-990-892-01	ILLUMINATOR A		1	9-990-892-01	ILLUMINATOR A	
2	9-990-891-01	REFLECTOR A		2	9-990-891-01	REFLECTOR A	
3	*9-992-308-01	HA BOARD		4	9-990-895-01	SPACER	
4	9-990-895-01	SPACER		5	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)	
5	1-553-766-00	MT SWITCH (KEY BOARD SWITCH)		6	9-990-894-01	TAPPING SCREW	
6	9-990-894-01	TAPPING SCREW		7	9-990-899-01	KEY TOP	
7	9-992-310-01	FRAME ASSY	1,2	8	9-990-902-01	COIL SPRING	
8	9-992-309-01	HARNESS		9	9-990-900-01	STOPPER	
9	1-464-803-11	KEY BOARD UNIT(A)	1-8	10	8-741-138-70	DETECTOR (BX1387)	
				11	*9-990-898-01	N BOARD	
				12	*9-992-401-01	HB BOARD	
				13	9-992-402-01	FRAME ASSY	1,2,7,8,9
				14	1-464-804-11	KEY BOARD UNIT(B)	1-13

### 6-3. BACK COVER

- : +BVTP 3×12 7-685-648-79
- : +BVTP 3×10 7-685-647-79
- ▲ : +BVTP 4×12 7-685-661-14



No.	Part No.	Description
101	*1-621-541-11	HD. BOARD
102	*A-1340-940-A	D2 BOARD, COMPLETE.
103	4-319-520-11	SCREW, SPECIAL (+PW4X30)
104	*A-1375-066-A	HC BOARD, COMPLETE
105	4-381-166-01	KNØS (A), CONTROL
106	4-382-005-31	PANEL, CONTROL
107	4-371-176-01	CAP, SQUARE

Remark	No.	Part No.	Description	Remark
	108	4-371-181-01	CAP	
	109	*A-1380-192-A	K BOARD, COMPLETE	
	110	X-4374-448-3	COVER ASSY, REAR	111
	111	4-316-003-21	HOLDER, CORD	
	112	*A-1270-282-A	QB BOARD, COMPLETE	
	113	*3-703-141-00	HOLDER, PCB	
	114	*A-1270-281-A	QA BOARD, COMPLETE	
	115	4-353-620-02	HINGE PC BOARD	

# SECTION 7 ELECTRICAL PARTS LIST

PVM-2730QM  
RM-668

B

## NOTE:

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

• Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

## RESISTORS

• All resistors are in ohms  
• F : nonflammable

When indicating parts by reference number, please include the board name.

## CAPACITORS

• MF :  $\mu$ F, PF :  $\mu$  $\mu$ F

## COILS

• MMH : mH, UH :  $\mu$ H

Note: In this parts list, the mounting diagram is for a different product.  
Therefore, an excess of parts is listed.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
	*A-1135-442-A	B BOARD, COMPLETE *****					
		<CONNECTOR>					
B1	*1-566-054-11	PIN, CONNECTOR 2P		C136	1-101-006-00	CERAMIC 0.047MF	50V
B2	*1-566-057-11	PIN, CONNECTOR 5P		C137	1-126-101-11	ELECT 100MF	20% 10V
B4	*1-566-055-11	PIN, CONNECTOR 3P		C138	1-126-101-11	ELECT 100MF	20% 10V
B5	*1-566-059-11	PIN, CONNECTOR 7P		C139	1-123-356-00	ELECT 10MF	20% 16V
B6	*1-566-056-11	PIN, CONNECTOR 4P		C140	1-123-356-00	ELECT 10MF	20% 16V
B7	*1-566-058-11	PIN, CONNECTOR 6P		C141	1-123-330-00	ELECT 22MF	20% 16V
B8	*1-566-059-11	PIN, CONNECTOR 7P		C150	1-123-379-00	ELECT 0.47MF	20% 50V
B9	*1-566-061-11	PIN, CONNECTOR 9P		C161	1-123-333-00	ELECT 100MF	20% 25V
B10	*1-566-065-11	PIN, CONNECTOR 13P		C162	1-123-321-00	ELECT 220MF	20% 16V
B11	*1-566-061-11	PIN, CONNECTOR 9P		C167	1-101-004-00	CERAMIC 0.01MF	50V
B13	*1-566-054-11	PIN, CONNECTOR 2P		C168	1-123-356-00	ELECT 10MF	20% 16V
B14	*1-566-057-11	PIN, CONNECTOR 5P		C169	1-123-356-00	ELECT 10MF	20% 25V
B15	*1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P		C170	1-101-004-00	CERAMIC 0.01MF	50V
B16	*1-566-056-11	PIN, CONNECTOR 4P		C171	1-123-356-00	ELECT 10MF	20% 16V
B17	*1-566-054-11	PIN, CONNECTOR 2P		C173	1-101-004-00	CERAMIC 0.01MF	50V
B18	*1-566-055-11	PIN, CONNECTOR 3P		C174	1-101-004-00	CERAMIC 0.01MF	50V
B19	*1-566-057-11	PIN, CONNECTOR 5P		C175	1-101-006-00	CERAMIC 0.047MF	50V
B20	*1-566-058-11	PIN, CONNECTOR 6P		C177	1-119-354-00	ELECT 330MF	10V
B21	*1-566-054-11	PIN, CONNECTOR 2P		C178	1-101-004-00	CERAMIC 0.01MF	50V
		<CAPACITOR>		C179	1-101-006-00	CERAMIC 0.047MF	50V
C101	1-123-356-00	ELECT 10MF	20% 16V	C180	1-126-101-11	ELECT 100MF	20% 10V
C103	1-102-973-00	CERAMIC 100PF	5% 50V	C181	1-123-332-00	ELECT 47MF	20% 16V
C104	1-123-306-00	ELECT 47MF	20% 10V	C182	1-101-006-00	CERAMIC 0.047MF	50V
C105	1-136-161-00	FILM 0.047MF	5% 50V	C183	1-119-352-00	ELECT 100MF	10V
C106	1-102-963-00	CERAMIC 33PF	5% 50V	C185	1-126-101-11	ELECT 100MF	20% 10V
C107	1-102-963-00	CERAMIC 33PF	5% 50V	C186	1-123-356-00	ELECT 10MF	20% 16V
C108	1-102-978-00	CERAMIC 220PF	5% 50V	C187	1-123-330-00	ELECT 22MF	20% 16V
C110	1-123-333-00	ELECT 100MF	20% 25V	C301	1-123-333-00	ELECT 100MF	20% 16V
C112	1-123-335-00	ELECT 330MF	20% 25V	C302	1-101-888-00	CERAMIC 68PF	5% 50V
C113	1-124-963-11	ELECT 33MF	20% 16V	C303	1-123-369-00	ELECT 4.7MF	20% 25V
C114	1-123-333-00	ELECT 100MF	20% 25V	C304	1-123-356-00	ELECT 10MF	20% 16V
C115	1-123-333-00	ELECT 100MF	20% 16V	C305	1-130-477-00	MYLAR 0.0033MF	5% 50V
C116	1-101-006-00	CERAMIC 0.047MF	50V	C306	1-101-006-00	CERAMIC 0.047MF	50V
C118	1-101-004-00	CERAMIC 0.01MF	50V	C307	1-101-006-00	CERAMIC 0.047MF	50V
C119	1-123-330-00	ELECT 22MF	20% 16V	C308	1-123-381-00	ELECT 2.2MF	20% 50V
C120	1-123-330-00	ELECT 22MF	20% 25V	C309	1-102-946-00	CERAMIC 9PF	0.5PF 50V
C123	1-101-006-00	CERAMIC 0.047MF	50V	C310	1-123-356-00	ELECT 10MF	20% 16V
C125	1-123-380-00	ELECT 1MF	20% 50V	C311	1-136-157-00	FILM 0.022MF	5% 50V
C126	1-123-380-00	ELECT 1MF	20% 50V	C312	1-136-157-00	FILM 0.022MF	5% 50V
C127	1-123-380-00	ELECT 1MF	20% 50V	C313	1-102-074-00	CERAMIC 0.001MF	10% 50V
C128	1-123-380-00	ELECT 1MF	20% 50V	C314	1-101-006-00	CERAMIC 0.047MF	50V
C131	1-130-475-00	MYLAR 0.0022MF	5% 50V	C315	1-101-006-00	CERAMIC 0.047MF	50V
C133	1-123-380-00	ELECT 1MF	20% 50V	C316	1-136-169-00	FILM 0.22MF	5% 50V
C134	1-123-380-00	ELECT 1MF	20% 50V	C317	1-102-074-00	CERAMIC 0.001MF	10% 50V
C135	1-123-381-00	ELECT 2.2MF	20% 50V	C322	1-101-006-00	CERAMIC 0.047MF	50V
				C323	1-124-464-11	ELECT 0.22MF	20% 50V
				C324	1-124-464-11	ELECT 0.22MF	20% 50V
				C325	1-123-333-00	ELECT 100MF	20% 16V
				C326	1-124-464-11	ELECT 0.22MF	20% 50V
				C327	1-102-111-00	CERAMIC 270PF	10% 50V

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**B**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q355	8-729-119-78	TRANSISTOR 2SC2785-HFE		R130	1-247-706-11	CARBON 330 5% 1/4W	
Q357	8-729-119-76	TRANSISTOR 2SA1175-HFE		R131	1-249-409-11	CARBON 220 5% 1/4W	
Q358	8-729-900-36	TRANSISTOR DTC124ES		R132	1-249-409-11	CARBON 220 5% 1/4W	
Q361	8-729-119-76	TRANSISTOR 2SA1175-HFE		R133	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q362	8-729-119-76	TRANSISTOR 2SA1175-HFE		R134	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q363	8-729-119-76	TRANSISTOR 2SA1175-HFE		R135	1-249-437-11	CARBON 47K 5% 1/4W	
Q371	8-729-119-78	TRANSISTOR 2SC2785-HFE		R136	1-249-417-11	CARBON 1K 5% 1/4W	
Q372	8-729-119-78	TRANSISTOR 2SC2785-HFE		R137	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q373	8-729-119-78	TRANSISTOR 2SC2785-HFE		R138	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q374	8-729-119-78	TRANSISTOR 2SC2785-HFE		R139	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q390	8-729-178-55	TRANSISTOR 2SC2785-E		R140	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q391	8-729-178-55	TRANSISTOR 2SC2785-E		R141	1-247-717-11	CARBON 2.2K 5% 1/4W	
Q392	8-729-178-55	TRANSISTOR 2SC2785-E		R142	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q393	8-729-119-76	TRANSISTOR 2SA1175-HFE		R143	1-249-429-11	CARBON 10K 5% 1/4W	
Q400	8-729-178-55	TRANSISTOR 2SC2785-E		R144	1-249-429-11	CARBON 10K 5% 1/4W	
Q401	8-729-178-55	TRANSISTOR 2SC2785-E		R145	1-249-437-11	CARBON 47K 5% 1/4W	
Q402	8-729-178-55	TRANSISTOR 2SC2785-E		R146	1-249-425-11	CARBON 4.7K 5% 1/4W	
Q403	8-729-119-76	TRANSISTOR 2SA1175-HFE		R147	1-249-441-11	CARBON 100K 5% 1/4W	
Q405	8-729-178-55	TRANSISTOR 2SC2785-E		R148	1-249-434-11	CARBON 27K 5% 1/4W	
Q406	8-729-119-76	TRANSISTOR 2SA1175-HFE		R149	1-249-427-11	CARBON 6.8K 5% 1/4W	
Q407	8-729-178-55	TRANSISTOR 2SC2785-E		R150	1-249-427-11	CARBON 6.8K 5% 1/4W	
Q450	8-729-119-76	TRANSISTOR 2SA1175-HFE		R151	1-249-423-11	CARBON 3.3K 5% 1/4W	
Q451	8-729-178-55	TRANSISTOR 2SC2785-E		R152	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q452	8-729-178-55	TRANSISTOR 2SC2785-E		R153	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q453	8-729-119-76	TRANSISTOR 2SA1175-HFE		R154	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q454	8-729-119-76	TRANSISTOR 2SA1175-HFE		R155	1-247-717-11	CARBON 2.2K 5% 1/4W	
Q455	8-729-178-55	TRANSISTOR 2SC2785-E		R156	1-249-423-11	CARBON 3.3K 5% 1/4W	
Q456	8-729-119-76	TRANSISTOR 2SA1175-HFE		R157	1-249-433-11	CARBON 22K 5% 1/4W	
Q457	8-729-178-55	TRANSISTOR 2SC2785-E		R158	1-249-417-11	CARBON 1K 5% 1/4W	
Q458	8-729-119-76	TRANSISTOR 2SA1175-HFE		R159	1-249-418-11	CARBON 1.2K 5% 1/4W	
Q459	8-729-119-76	TRANSISTOR 2SA1175-HFE		R160	1-249-397-11	CARBON 22 5% 1/4W	
Q460	8-729-178-55	TRANSISTOR 2SC2785-E		R161	1-249-397-11	CARBON 22 5% 1/4W	
Q461	8-729-178-55	TRANSISTOR 2SC2785-E		R162	1-249-397-11	CARBON 22 5% 1/4W	
Q1301	8-729-178-55	TRANSISTOR 2SC2785-E		R163	1-249-397-11	CARBON 22 5% 1/4W	
Q1302	8-729-178-55	TRANSISTOR 2SC2785-E		R164	1-249-397-11	CARBON 22 5% 1/4W	
Q1303	8-729-119-76	TRANSISTOR 2SA1175-HFE		R165	1-247-692-11	CARBON 22 5% 1/4W	
<RESISTOR>				R166	1-249-397-11	CARBON 22 5% 1/4W	
R101	1-249-395-11	CARBON 15 5% 1/4W		R167	1-249-397-11	CARBON 22 5% 1/4W	
R102	1-249-395-11	CARBON 15 5% 1/4W		R168	1-249-397-11	CARBON 22 5% 1/4W	
R103	1-249-441-11	CARBON 100K 5% 1/4W		R169	1-249-397-11	CARBON 22 5% 1/4W	
R104	1-249-441-11	CARBON 100K 5% 1/4W		R170	1-249-397-11	CARBON 22 5% 1/4W	
R105	1-249-404-00	CARBON 82 5% 1/4W		R171	1-249-397-11	CARBON 22 5% 1/4W	
R106	1-249-413-11	CARBON 470 5% 1/4W		R172	1-249-397-11	CARBON 22 5% 1/4W	
R107	1-249-411-11	CARBON 330 5% 1/4W		R173	1-249-397-11	CARBON 22 5% 1/4W	
R108	1-249-441-11	CARBON 100K 5% 1/4W		R174	1-249-429-11	CARBON 10K 5% 1/4W	
R109	1-249-433-11	CARBON 22K 5% 1/4W		R175	1-249-429-11	CARBON 10K 5% 1/4W	
R110	1-249-465-11	CARBON 47K 5% 1/4W		R176	1-247-725-11	CARBON 10K 5% 1/4W	
R111	1-249-437-11	CARBON 47K 5% 1/4W		R177	1-249-433-11	CARBON 22K 5% 1/4W	
R114	1-249-437-11	CARBON 47K 5% 1/4W		R178	1-249-433-11	CARBON 22K 5% 1/4W	
R116	1-249-414-11	CARBON 560 5% 1/4W		R179	1-249-425-11	CARBON 4.7K 5% 1/4W	
R117	1-249-429-11	CARBON 10K 5% 1/4W		R181	1-249-435-11	CARBON 33K 5% 1/4W	
R118	1-249-429-11	CARBON 10K 5% 1/4W		R182	1-249-426-11	CARBON 5.6K 5% 1/4W	
R119	1-249-429-11	CARBON 10K 5% 1/4W		R183	1-249-433-11	CARBON 22K 5% 1/4W	
R121	1-215-867-00	METAL OXIDE 470 5% 1W F		R184	1-249-435-11	CARBON 33K 5% 1/4W	
R122	1-249-417-11	CARBON 1K 5% 1/4W		R185	1-247-713-11	CARBON 1K 5% 1/4W	
R123	1-216-357-00	METAL OXIDE 4.7 5% 1W F		R186	1-249-417-11	CARBON 1K 5% 1/4W	
R124	1-249-433-11	CARBON 22K 5% 1/4W		R187	1-249-417-11	CARBON 1K 5% 1/4W	
R125	1-249-435-11	CARBON 33K 5% 1/4W		R188	1-249-417-11	CARBON 1K 5% 1/4W	
R126	1-249-431-11	CARBON 15K 5% 1/4W		R189	1-249-417-11	CARBON 1K 5% 1/4W	
R127	1-249-417-11	CARBON 1K 5% 1/4W		R190	1-249-417-11	CARBON 1K 5% 1/4W	
R128	1-249-434-11	CARBON 27K 5% 1/4W		R191	1-249-414-11	CARBON 560 5% 1/4W	
R129	1-247-717-11	CARBON 2.2K 5% 1/4W		R192	1-249-417-11	CARBON 1K 5% 1/4W	
				R193	1-249-423-11	CARBON 3.3K 5% 1/4W	



B

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D117	8-719-911-19	DIODE 1SS119				<COIL>	
D118	8-719-911-19	DIODE 1SS119		L101	1-408-424-00	INDUCTOR 180UH	
D120	8-719-911-19	DIODE 1SS119		L104	1-408-424-00	INDUCTOR 180UH	
D121	8-719-911-19	DIODE 1SS119		L105	1-408-424-00	INDUCTOR 180UH	
D123	8-719-911-19	DIODE 1SS119		L161	1-408-159-00	COIL, SPOOK CHOKE 3.3UH	
D124	8-719-911-19	DIODE 1SS119		L333	1-408-416-00	INDUCTOR 39UH	
D125	8-719-911-19	DIODE 1SS119		L337	1-408-160-00	INDUCTOR 15MMH	
D126	8-719-109-96	DIODE RD6.8ES-B1		L405	1-404-496-00	COIL	
D127	8-719-109-96	DIODE RD6.8ES-B1		L406	1-408-411-00	INDUCTOR 15UH	
D305	8-719-911-19	DIODE 1SS119		L420	1-408-411-00	INDUCTOR 15UH	
D306	8-719-911-19	DIODE 1SS119		L421	1-404-496-00	COIL	
D307	8-719-911-19	DIODE 1SS119		L430	1-408-245-00	INDUCTOR 22MMH	
D308	8-719-911-19	DIODE 1SS119		L431	1-408-414-00	INDUCTOR 27UH	
D309	8-719-911-19	DIODE 1SS119		L432	1-410-476-11	INDUCTOR 33UH	
D334	8-719-110-17	DIODE RD10ES-B2		L435	1-408-406-00	INDUCTOR 5.6UH	
D335	8-719-911-19	DIODE 1SS119		L451	1-404-495-00	COIL	
D339	8-719-911-19	DIODE 1SS119		L452	1-404-495-00	COIL	
D340	8-719-911-19	DIODE 1SS119		L455	1-408-163-00	INDUCTOR 5.6MMH	
D341	8-719-911-19	DIODE 1SS119				<IC LINK>	
D342	8-719-110-17	DIODE RD10ES-B2		PS1	1-532-605-00	LINK, IC (ICP-N10)	
D343	8-719-110-17	DIODE RD10ES-B2		PS2	1-532-637-00	LINK, IC	
D344	8-719-110-17	DIODE RD10ES-B2				<TRANSISTOR>	
D345	8-719-911-19	DIODE 1SS119		Q101	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D351	8-719-911-19	DIODE 1SS119		Q102	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D354	8-719-911-19	DIODE 1SS119		Q103	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D361	8-719-911-19	DIODE 1SS119		Q104	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D362	8-719-911-19	DIODE 1SS119		Q105	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D391	8-719-911-19	DIODE 1SS119		Q107	8-729-900-36	TRANSISTOR DTC124ES	
D392	8-719-911-19	DIODE 1SS119		Q108	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D401	8-719-911-19	DIODE 1SS119		Q109	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D442	8-719-911-19	DIODE 1SS119		Q110	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D443	8-719-911-19	DIODE 1SS119		Q111	8-729-140-97	TRANSISTOR 2SB734-34	
D444	8-719-911-19	DIODE 1SS119		Q112	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D445	8-719-911-19	DIODE 1SS119		Q113	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D450	8-719-911-19	DIODE 1SS119		Q114	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D454	8-719-911-19	DIODE 1SS119		Q115	8-729-900-36	TRANSISTOR DTC124ES	
D457	8-719-911-19	DIODE 1SS119		Q116	8-729-119-76	TRANSISTOR 2SA1175-HFE	
		<DELAY LINE>		Q117	8-729-119-78	TRANSISTOR 2SC2785-HFE	
DL301	1-415-122-31	DELAY LINE, 1H (PAL)		Q118	8-729-119-76	TRANSISTOR 2SA1175-HFE	
DL401	1-415-380-11	DELAY LINE, Y		Q119	8-729-119-76	TRANSISTOR 2SA1175-HFE	
		<IC>		Q121	8-729-133-42	TRANSISTOR 2SC2334-L	
IC101	8-759-140-16	IC UPD7508HCU-258		*4-363-146-00	HEAT SINK, V.OUT; Q121		
IC102	8-752-321-18	IC CXK1005P		Q122	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC103	8-759-102-28	IC UPD6326C		Q123	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC104	8-759-182-43	IC UPD8243C(W)		Q301	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC106	8-759-207-07	IC TD62381P		Q309	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC107	8-759-207-07	IC TD62381P		Q310	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC110	8-759-140-66	IC UPD4066BC		Q311	8-729-378-84	TRANSISTOR 2SD788-5	
IC121	8-759-604-29	IC M5F7805		Q315	8-729-119-78	TRANSISTOR 2SC2785-HFE	
*4-363-146-00	HEAT SINK, V.OUT; IC121			Q316	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC122	8-759-982-13	IC RC7812FA		Q321	8-729-119-78	TRANSISTOR 2SC2785-HFE	
*4-323-833-00	HEAT SINK, PIN OUT; IC122			Q322	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC301	8-752-030-86	IC CXA1001AP		Q324	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC302	8-752-030-31	IC CXA1024S		Q331	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC311	8-759-240-73	IC TC4073BP		Q341	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC401	8-751-750-00	IC CX-175		Q342	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC411	8-759-135-80	IC UPC358C		Q343	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC412	8-759-140-66	IC UPD4066BC		Q353	8-729-119-78	TRANSISTOR 2SC2785-HFE	
				Q354	8-729-900-36	TRANSISTOR DTC124ES	

**B**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R445	1-249-431-11	CARBON	15K 5% 1/4W	R1313	1-247-725-11	CARBON	10K 5% 1/4W
R446	1-249-417-11	CARBON	1K 5% 1/4W	R1314	1-249-429-11	CARBON	10K 5% 1/4W
R447	1-249-414-11	CARBON	560 5% 1/4W	R1315	1-249-435-11	CARBON	33K 5% 1/4W
R448	1-249-393-11	CARBON	10 5% 1/4W	R1316	1-249-435-11	CARBON	33K 5% 1/4W
R449	1-249-418-11	CARBON	1.2K 5% 1/4W	R1317	1-249-417-11	CARBON	1K 5% 1/4W
R450	1-249-419-11	CARBON	1.5K 5% 1/4W	R1318	1-249-417-11	CARBON	1K 5% 1/4W
R451	1-249-420-11	CARBON	1.8K 5% 1/4W	R1319	1-249-417-11	CARBON	1K 5% 1/4W
R452	1-249-393-11	CARBON	10 5% 1/4W	R1320	1-249-409-11	CARBON	220 5% 1/4W
R453	1-249-419-11	CARBON	1.5K 5% 1/4W	R1322	1-249-433-11	CARBON	22K 5% 1/4W
R454	1-249-419-11	CARBON	1.5K 5% 1/4W	R1323	1-249-429-11	CARBON	10K 5% 1/4W
R456	1-249-409-11	CARBON	220 5% 1/4W	R1324	1-249-435-11	CARBON	33K 5% 1/4W
R457	1-249-435-11	CARBON	33K 5% 1/4W	R1325	1-249-409-11	CARBON	220 5% 1/4W
R458	1-249-425-11	CARBON	4.7K 5% 1/4W	R1326	1-249-409-11	CARBON	220 5% 1/4W
R460	1-249-436-11	CARBON	39K 5% 1/4W	R1327	1-247-903-00	CARBON	1M 5% 1/4W
R461	1-249-431-11	CARBON	15K 5% 1/4W	R1328	1-249-417-11	CARBON	1K 5% 1/4W
R462	1-249-421-11	CARBON	2.2K 5% 1/4W	R1329	1-247-895-00	CARBON	470K 5% 1/4W
R463	1-249-422-11	CARBON	2.7K 5% 1/4W	R1330	1-249-417-11	CARBON	1K 5% 1/4W
R464	1-249-409-11	CARBON	220 5% 1/4W	R1331	1-249-426-11	CARBON	5.6K 5% 1/4W
R465	1-249-435-11	CARBON	33K 5% 1/4W	R1332	1-249-437-11	CARBON	47K 5% 1/4W
R466	1-247-721-11	CARBON	4.7K 5% 1/4W	R1333	1-249-418-11	CARBON	1.2K 5% 1/4W
R467	1-247-866-11	CARBON	30K 5% 1/4W	R1334	1-249-429-11	CARBON	10K 5% 1/4W
R468	1-249-429-11	CARBON	10K 5% 1/4W	R1335	1-249-409-11	CARBON	220 5% 1/4W
R470	1-249-420-11	CARBON	1.8K 5% 1/4W	R1337	1-249-405-11	CARBON	100 5% 1/4W
R471	1-249-425-11	CARBON	4.7K 5% 1/4W	R1339	1-249-414-11	CARBON	560 5% 1/4W
R472	1-249-420-11	CARBON	1.8K 5% 1/4W	R1340	1-249-409-11	CARBON	220 5% 1/4W
R473	1-249-425-11	CARBON	4.7K 5% 1/4W	R1341	1-249-437-11	CARBON	47K 5% 1/4W
R474	1-249-417-11	CARBON	1K 5% 1/4W	R1342	1-249-405-11	CARBON	100 5% 1/4W
R475	1-249-405-11	CARBON	100 5% 1/4W	R1344	1-247-834-11	CARBON	1.3K 5% 1/4W
R476	1-249-416-11	CARBON	820 5% 1/4W	R1345	1-249-409-11	CARBON	220 5% 1/4W
R477	1-249-413-11	CARBON	470 5% 1/4W	R1347	1-249-405-11	CARBON	100 5% 1/4W
R478	1-249-421-11	CARBON	2.2K 5% 1/4W	R1360	1-249-414-11	CARBON	560 5% 1/4W
R479	1-249-421-11	CARBON	2.2K 5% 1/4W	R1362	1-249-414-11	CARBON	560 5% 1/4W
R480	1-249-429-11	CARBON	10K 5% 1/4W	R1363	1-247-901-11	CARBON	820K 5% 1/4W
R481	1-249-429-11	CARBON	10K 5% 1/4W	R1364	1-249-424-11	CARBON	3.9K 5% 1/4W
R482	1-249-421-11	CARBON	2.2K 5% 1/4W	R1365	1-249-437-11	CARBON	47K 5% 1/4W
R483	1-249-421-11	CARBON	2.2K 5% 1/4W	R1366	1-249-422-11	CARBON	2.7K 5% 1/4W
R484	1-249-433-11	CARBON	22K 5% 1/4W	R1367	1-202-730-00	SOLID	8.2M 10% 1/2W
R485	1-249-417-11	CARBON	1K 5% 1/4W	R1368	1-249-411-11	CARBON	330 5% 1/4W
R486	1-249-435-11	CARBON	33K 5% 1/4W	R1369	1-249-413-11	CARBON	470 5% 1/4W
R487	1-249-435-11	CARBON	33K 5% 1/4W	R1370	1-249-409-11	CARBON	220 5% 1/4W
R488	1-249-435-11	CARBON	33K 5% 1/4W	R1371	1-249-413-11	CARBON	470 5% 1/4W
R1100	1-249-405-11	CARBON	100 5% 1/4W	R1375	1-249-425-11	CARBON	4.7K 5% 1/4W
R1101	1-249-437-11	CARBON	47K 5% 1/4W	R1376	1-247-889-00	CARBON	270K 5% 1/4W
R1102	1-249-429-11	CARBON	10K 5% 1/4W	R1377	1-249-434-11	CARBON	27K 5% 1/4W
R1105	1-249-431-11	CARBON	15K 5% 1/4W	R1378	1-249-410-11	CARBON	270 5% 1/4W
R1106	1-249-399-11	CARBON	33 5% 1/4W	R1379	1-249-405-11	CARBON	100 5% 1/4W
R1107	1-249-437-11	CARBON	47K 5% 1/4W	R1381	1-249-434-11	CARBON	27K 5% 1/4W
R1108	1-249-405-11	CARBON	100 5% 1/4W	R1382	1-249-424-11	CARBON	3.9K 5% 1/4W
R1109	1-249-429-11	CARBON	10K 5% 1/4W	R1383	1-249-419-11	CARBON	1.5K 5% 1/4W
R1110	1-249-421-11	CARBON	2.2K 5% 1/4W	R1384	1-249-411-11	CARBON	330 5% 1/4W
R1111	1-249-437-11	CARBON	47K 5% 1/4W	R1385	1-249-393-11	CARBON	10 5% 1/4W
R1112	1-249-441-11	CARBON	100K 5% 1/4W	R1386	1-249-421-11	CARBON	2.2K 5% 1/4W
R1113	1-249-409-11	CARBON	220 5% 1/4W	R1388	1-249-425-11	CARBON	4.7K 5% 1/4W
R1115	1-249-393-11	CARBON	10 5% 1/4W	R1389	1-249-429-11	CARBON	10K 5% 1/4W
R1115	1-249-425-11	CARBON	4.7K 5% 1/4W	R1390	1-249-421-11	CARBON	2.2K 5% 1/4W
R1304	1-247-704-11	CARBON	220 5% 1/4W	R1401	1-249-433-11	CARBON	22K 5% 1/4W
R1305	1-247-704-11	CARBON	220 5% 1/4W	R1402	1-249-433-11	CARBON	22K 5% 1/4W
R1306	1-247-704-11	CARBON	220 5% 1/4W	R1403	1-249-433-11	CARBON	22K 5% 1/4W
R1307	1-247-704-11	CARBON	220 5% 1/4W	R1404	1-249-433-11	CARBON	22K 5% 1/4W
R1308	1-249-429-11	CARBON	10K 5% 1/4W	R1405	1-249-437-11	CARBON	47K 5% 1/4W
R1309	1-247-704-11	CARBON	220 5% 1/4W	R1406	1-249-437-11	CARBON	47K 5% 1/4W
R1310	1-249-431-11	CARBON	15K 5% 1/4W	R1407	1-249-437-11	CARBON	47K 5% 1/4W
R1311	1-249-409-11	CARBON	220 5% 1/4W	R1408	1-249-437-11	CARBON	47K 5% 1/4W
R1312	1-249-440-11	CARBON	82K 5% 1/4W				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R194	1-249-423-11	CARBON	3.3K 5% 1/4W	R368	1-249-428-11	CARBON	8.2K 5% 1/4W
R195	1-249-421-11	CARBON	2.2K 5% 1/4W	R370	1-249-419-11	CARBON	1.5K 5% 1/4W
R196	1-249-414-11	CARBON	560 5% 1/4W	R371	1-249-435-11	CARBON	33K 5% 1/4W
R197	1-249-421-11	CARBON	2.2K 5% 1/4W	R372	1-249-441-11	CARBON	100K 5% 1/4W
R198	1-249-405-11	CARBON	100 5% 1/4W	R373	1-249-435-11	CARBON	33K 5% 1/4W
R199	1-249-417-11	CARBON	1K 5% 1/4W	R374	1-249-435-11	CARBON	33K 5% 1/4W
R303	1-249-469-11	CARBON	100K 5% 1/4W	R375	1-249-423-11	CARBON	3.3K 5% 1/4W
R304	1-249-436-11	CARBON	39K 5% 1/4W	R377	1-249-412-11	CARBON	390 5% 1/4W
R305	1-247-883-00	CARBON	150K 5% 1/4W	R378	1-249-414-11	CARBON	560 5% 1/4W
R306	1-249-435-11	CARBON	33K 5% 1/4W	R379	1-249-429-11	CARBON	10K 5% 1/4W
R308	1-249-409-11	CARBON	220 5% 1/4W	R380	1-249-437-11	CARBON	47K 5% 1/4W
R310	1-249-462-11	CARBON	22K 5% 1/4W	R381	1-249-440-11	CARBON	82K 5% 1/4W
R311	1-249-439-11	CARBON	68K 5% 1/4W	R382	1-249-438-11	CARBON	56K 5% 1/4W
R312	1-249-439-11	CARBON	68K 5% 1/4W	R383	1-247-889-00	CARBON	270K 5% 1/4W
R313	1-249-421-11	CARBON	2.2K 5% 1/4W	R384	1-249-425-11	CARBON	4.7K 5% 1/4W
R314	1-249-409-11	CARBON	220 5% 1/4W	R385	1-249-414-11	CARBON	560 5% 1/4W
R315	1-249-433-11	CARBON	22K 5% 1/4W	R386	1-249-429-11	CARBON	10K 5% 1/4W
R316	1-249-435-11	CARBON	33K 5% 1/4W	R387	1-249-417-11	CARBON	1K 5% 1/4W
R317	1-249-421-11	CARBON	2.2K 5% 1/4W	R388	1-247-893-11	CARBON	390K 5% 1/4W
R318	1-249-409-11	CARBON	220 5% 1/4W	R389	1-249-433-11	CARBON	22K 5% 1/4W
R319	1-249-433-11	CARBON	22K 5% 1/4W	R390	1-249-433-11	CARBON	22K 5% 1/4W
R320	1-249-435-11	CARBON	33K 5% 1/4W	R391	1-249-437-11	CARBON	47K 5% 1/4W
R321	1-249-435-11	CARBON	33K 5% 1/4W	R392	1-249-431-11	CARBON	15K 5% 1/4W
R322	1-249-429-11	CARBON	10K 5% 1/4W	R393	1-249-435-11	CARBON	33K 5% 1/4W
R323	1-249-441-11	CARBON	100K 5% 1/4W	R394	1-249-429-11	CARBON	10K 5% 1/4W
R324	1-249-441-11	CARBON	100K 5% 1/4W	R395	1-247-895-00	CARBON	470K 5% 1/4W
R326	1-249-441-11	CARBON	100K 5% 1/4W	R396	1-249-419-11	CARBON	1.5K 5% 1/4W
R327	1-249-423-11	CARBON	3.3K 5% 1/4W	R398	1-249-420-11	CARBON	1.8K 5% 1/4W
R328	1-249-423-11	CARBON	3.3K 5% 1/4W	R401	1-249-412-11	CARBON	390 5% 1/4W
R329	1-249-423-11	CARBON	3.3K 5% 1/4W	R402	1-247-717-11	CARBON	2.2K 5% 1/4W
R330	1-249-417-11	CARBON	1K 5% 1/4W	R403	1-249-427-11	CARBON	6.8K 5% 1/4W
R331	1-247-903-00	CARBON	1M 5% 1/4W	R404	1-249-429-11	CARBON	10K 5% 1/4W
R332	1-247-889-00	CARBON	270K 5% 1/4W	R406	1-249-412-11	CARBON	390 5% 1/4W
R333	1-249-414-11	CARBON	560 5% 1/4W	R410	1-249-422-11	CARBON	2.7K 5% 1/4W
R334	1-247-883-00	CARBON	150K 5% 1/4W	R411	1-247-899-11	CARBON	680K 5% 1/4W
R335	1-249-413-11	CARBON	470 5% 1/4W	R412	1-249-417-11	CARBON	1K 5% 1/4W
R336	1-249-409-11	CARBON	220 5% 1/4W	R413	1-249-425-11	CARBON	4.7K 5% 1/4W
R337	1-249-427-11	CARBON	6.8K 5% 1/4W	R414	1-249-438-11	CARBON	56K 5% 1/4W
R338	1-249-421-11	CARBON	2.2K 5% 1/4W	R415	1-249-429-11	CARBON	10K 5% 1/4W
R339	1-249-417-11	CARBON	1K 5% 1/4W	R418	1-247-720-11	CARBON	3.9K 5% 1/4W
R340	1-249-421-11	CARBON	2.2K 5% 1/4W	R419	1-249-429-11	CARBON	10K 5% 1/4W
R341	1-249-422-11	CARBON	2.7K 5% 1/4W	R420	1-249-412-11	CARBON	390 5% 1/4W
R342	1-249-428-11	CARBON	8.2K 5% 1/4W	R421	1-249-438-11	CARBON	56K 5% 1/4W
R343	1-249-433-11	CARBON	22K 5% 1/4W	R422	1-249-427-11	CARBON	6.8K 5% 1/4W
R345	1-249-439-11	CARBON	68K 5% 1/4W	R425	1-249-408-11	CARBON	180 5% 1/4W
R346	1-249-426-11	CARBON	5.6K 5% 1/4W	R426	1-249-435-11	CARBON	33K 5% 1/4W
R350	1-249-413-11	CARBON	470 5% 1/4W	R427	1-249-423-11	CARBON	3.3K 5% 1/4W
R351	1-249-405-11	CARBON	100 5% 1/4W	R429	1-249-429-11	CARBON	10K 5% 1/4W
R352	1-249-433-11	CARBON	22K 5% 1/4W	R430	1-249-423-11	CARBON	3.3K 5% 1/4W
R353	1-249-420-11	CARBON	1.8K 5% 1/4W	R431	1-249-425-11	CARBON	4.7K 5% 1/4W
R354	1-249-435-11	CARBON	33K 5% 1/4W	R432	1-249-428-11	CARBON	8.2K 5% 1/4W
R355	1-249-433-11	CARBON	22K 5% 1/4W	R433	1-249-428-11	CARBON	8.2K 5% 1/4W
R356	1-249-437-11	CARBON	47K 5% 1/4W	R434	1-249-418-11	CARBON	1.2K 5% 1/4W
R357	1-249-430-11	CARBON	12K 5% 1/4W	R435	1-249-417-11	CARBON	1K 5% 1/4W
R358	1-249-435-11	CARBON	33K 5% 1/4W	R436	1-249-421-11	CARBON	2.2K 5% 1/4W
R359	1-247-883-00	CARBON	150K 5% 1/4W	R437	1-249-431-11	CARBON	15K 5% 1/4W
R360	1-247-708-11	CARBON	470 5% 1/4W	R438	1-249-431-11	CARBON	15K 5% 1/4W
R361	1-249-417-11	CARBON	1K 5% 1/4W	R439	1-249-418-11	CARBON	1.2K 5% 1/4W
R362	1-249-429-11	CARBON	10K 5% 1/4W	R440	1-249-417-11	CARBON	1K 5% 1/4W
R363	1-249-417-11	CARBON	1K 5% 1/4W	R441	1-249-420-11	CARBON	1.8K 5% 1/4W
R364	1-249-412-11	CARBON	390 5% 1/4W	R442	1-249-421-11	CARBON	2.2K 5% 1/4W
R365	1-247-723-11	CARBON	6.8K 5% 1/4W	R443	1-249-408-11	CARBON	180 5% 1/4W
R366	1-247-891-00	CARBON	330K 5% 1/4W	R444	1-249-439-11	CARBON	68K 5% 1/4W
R367	1-249-437-11	CARBON	47K 5% 1/4W				

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

PVM-2730QM  
RM-668

**B** **FB** **FA**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1409	1-247-704-11	CARBON 220 5% 1/4W	F	C608 $\Delta$	1-162-738-12	CERAMIC 0.0047MF	20% 400V
R1410	1-249-421-11	CARBON 2.2K 5% 1/4W		C610	1-125-222-41	ELECT (BLOCK) 330MF	20% 400V
R1411	1-247-725-11	CARBON 10K 5% 1/4W		C617	1-162-599-12	CERAMIC 0.0047MF	20% 400V
R1412	1-249-429-11	CARBON 10K 5% 1/4W		C618	1-102-030-00	CERAMIC 330PF	10% 500V
R1413	1-249-421-11	CARBON 2.2K 5% 1/4W		C619	1-130-202-00	FILM 0.022MF	10% 400V
<VARIABLE RESISTOR>				C620	1-124-126-00	ELECT 47MF	20% 16V
RV301	1-228-989-00	RES, ADJ, CARBON 470		C621	1-130-062-00	FILM 0.0056MF	5% 630V
RV302	1-228-995-00	RES, ADJ, CARBON 22K		C622	1-124-929-11	ELECT 22MF	20% 100V
RV303	1-228-994-00	RES, ADJ, CARBON 10K		C623	1-161-973-00	CERAMIC 220PF	10% 400V
RV318	1-228-993-00	RES, ADJ, CARBON 4.7K		C624	1-161-973-00	CERAMIC 220PF	10% 400V
RV1301	1-228-991-00	RES, ADJ, CARBON 2.2K		C632	1-102-002-00	CERAMIC 680PF	10% 500V
RV1302	1-228-991-00	RES, ADJ, CARBON 2.2K		C651	1-162-115-00	CERAMIC 330PF	10% 2KV
<TRANSFORMER>				C652	1-125-494-11	ELECT (BLOCK) 560MF	20% 160V
T301	1-404-524-11	DAT		C653	1-126-170-11	ELECT 1000MF	20% 50V
T401	1-404-584-11	COIL		C654	1-124-563-11	ELECT 2200MF	20% 25V
<CRYSTAL>				C655	1-124-563-11	ELECT 2200MF	20% 25V
X101	1-567-192-11	OSCILLATOR, CERAMIC		C656	1-162-318-11	CERAMIC 0.001MF	10% 500V
X358	1-567-505-11	OSCILLATOR, CRYSTAL		C658	1-124-126-00	ELECT 47MF	20% 25V
X443	1-567-504-11	OSCILLATOR, CRYSTAL		C659	1-102-030-00	CERAMIC 330PF	10% 500V
*****				C661	1-123-333-00	ELECT 100MF	20% 25V
*1-621-546-11	FB BOARD	*****		C662	1-136-601-11	FILM 0.01MF	5% 630V
<CAPACITOR>				C663	1-124-791-11	ELECT 1MF	20% 50V
C1601	1-108-692-11	MYLAR 0.01MF 10% 200V		C664	1-124-791-11	ELECT 1MF	20% 50V
<CONNECTOR>				C666	1-126-101-11	ELECT 100MF	20% 10V
FB1	*1-506-348-99	PIN, CONNECTOR 4P		C667	1-102-121-00	CERAMIC 0.0022MF	10% 50V
FB2	*1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P		C668 $\Delta$	1-136-360-51	FILM 0.22MF	20% 250V (ABP, AUS ONLY)
<COIL>				$\Delta$	1-136-415-51	FILM 0.33MF	20% 250V (WG ONLY)
L1601	1-459-407-00	COIL, FERRITE CHOKE		C669 $\Delta$	1-161-738-12	CERAMIC 0.0047MF	20% 400V
<NEON LAMP>				C670 $\Delta$	1-161-738-12	CERAMIC 0.0047MF	20% 400V
NL1691	1-519-108-99	LAMP, NEON		C671 $\Delta$	1-161-738-12	CERAMIC 0.0047MF	20% 400V
<RESISTOR>				C672 $\Delta$	1-161-738-12	CERAMIC 0.0047MF	20% 400V
R1601	1-216-423-11	METAL OXIDE 27 5% 1W F		C673 $\Delta$	1-161-738-12	CERAMIC 0.0047MF	20% 400V
*****				C674 $\Delta$	1-136-360-51	FILM 0.22MF	20% 250V (ABP, AUS ONLY)
*A-1245-387-A	FA BOARD, COMPLETE (ABP, AUS ONLY)	*****		$\Delta$	1-136-415-51	FILM 0.33MF	20% 250V (WG ONLY)
*A-1245-411-A	FA BOARD, COMPLETE (WG ONLY)	*****		C676	1-126-170-11	ELECT 1000MF	20% 50V (ABP, AUS ONLY)
<CAPACITOR>					1-136-173-00	FILM 0.47MF	5% 50V (WG ONLY)
C601 $\Delta$	1-136-360-51	FILM 0.22MF 20% 250V (ABP, AUS ONLY)		C677	1-136-173-00	FILM 0.47MF	5% 50V (ABP, AUS ONLY)
$\Delta$	1-136-415-51	FILM 0.33MF 20% 250V (WG ONLY)		C678	1-136-415-51	FILM 0.33MF	20% 250V (WG ONLY)
C607	1-162-599-12	CERAMIC 0.0047MF 20% 400V		C681	1-136-153-00	FILM 0.01MF	5% 50V
<DIODE>				C682	1-130-062-00	FILM 0.0056MF	5% 630V
D601	8-719-503-06	DIODE S3WB60Z		C686	1-136-173-00	FILM 0.47MF	5% 50V (ABP, AUS ONLY)
D602	8-719-110-31	DIODE RD12ES-B2		<DIODE>			
D605	8-719-971-20	DIODE ERC38-06		D601	8-719-503-06	DIODE S3WB60Z	
D607	8-719-911-19	DIODE ISS119		D602	8-719-110-31	DIODE RD12ES-B2	
D608	8-719-911-19	DIODE ISS119		D605	8-719-971-20	DIODE ERC38-06	
D609	8-719-300-33	DIODE RU-3AM		D607	8-719-911-19	DIODE ISS119	
D651	8-719-300-53	DIODE CTU-38S		D608	8-719-911-19	DIODE ISS119	
D653	8-719-300-59	DIODE CTU-12S		D609	8-719-300-33	DIODE RU-3AM	
D654	8-719-300-59	DIODE CTU-12S		D651	8-719-300-53	DIODE CTU-38S	
*4-347-706-00	HEAT SINK (TR); D654			D653	8-719-300-59	DIODE CTU-12S	

**FA**

The components identified by shading and mark **△** are critical for safety.  
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D655	8-719-016-42	DIODE MC932		R613	1-215-895-11	METAL OXIDE 3.3K 5% 2W	F
D656	8-719-300-59	DIODE CTU-12S		R614	1-216-458-11	METAL OXIDE 1.8K 5% 2W	F
	*4-347-706-00	HEAT SINK (TR); D656		R615	1-205-737-00	WIREWOUND 30 10% 7W	
D658	8-719-110-03	DIODE RD7.5ES-B2		R623	1-247-718-11	CARBON 2.7K 5% 1/4W	
D659	8-719-110-03	DIODE RD7.5ES-B2		R627	1-249-409-11	CARBON 220 5% 1/4W	
D660	8-719-911-19	DIODE ISS119		R628	1-247-889-00	CARBON 270K 5% 1/4W	
D661	8-719-911-55	DIODE U05G		R629	1-249-427-11	CARBON 6.8K 5% 1/4W	
D663	8-719-109-93	DIODE RD6.2ES-B2		R630	1-247-692-11	CARBON 22 5% 1/4W	F
D664	8-719-110-31	DIODE RD12ES-B2		R631	1-207-945-00	WIREWOUND 390 10% 7W	F
D665	8-719-300-59	DIODE CTU-12S		R632	1-217-192-21	WIREWOUND 0.22 10% 2W	F
D666	8-719-911-19	DIODE ISS119		R652	1-216-430-11	METAL OXIDE 390 5% 1W	F
D667	8-719-911-55	DIODE U05G		R653	1-249-425-11	CARBON 4.7K 5% 1/4W	
<FUSE>				R654	1-216-464-11	METAL OXIDE 18K 5% 2W	F
F601	△ 1-532-299-11	FUSE, TIME-LAG 5A/250V		R662	1-249-436-11	CARBON 39K 5% 1/4W	
	*1-533-189-11	HOLDER, FUSE; F601		R663	1-249-430-11	CARBON 12K 5% 1/4W	
<CONNECTOR>				R664	1-249-441-11	CARBON 100K 5% 1/4W	
FA1	*1-506-348-99	PIN, CONNECTOR 3P		R665	1-215-436-00	METAL 4.3K 1% 1/6W	
FA2	*1-506-348-99	PIN, CONNECTOR 3P		R666	1-247-713-11	CARBON 1K 5% 1/4W	
FA3	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		R667	1-247-703-11	CARBON 180 5% 1/4W	
FA4	*1-508-767-00	PIN, CONNECTOR (5MM PITCH) 5P		R669	1-247-720-11	CARBON 3.9K 5% 1/4W	
FA6	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P		R670	1-249-420-11	CARBON 1.8K 5% 1/4W	
FA7	*1-566-058-11	PIN, CONNECTOR 6P		R671	△ 1-205-758-11	WIREWOUND 100 10% 10W	F
FA8	*1-566-054-11	PIN, CONNECTOR 2P		R673	△ 1-244-945-91	CARBON 1M 5% 1/2W	
FA9	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P		R677	1-216-346-00	METAL OXIDE 0.56 5% 1W	F
FA10	*1-564-529-11	CONNECTOR, BOARD TO BOARD 5P		R678	1-247-749-11	CARBON 560 5% 1/2W	F
<IC>				R679	1-215-924-00	METAL OXIDE 15K 5% 3W	F
IC602	8-719-802-22	DIODE TLP581-Y		R680	1-207-971-00	WIREWOUND 470 10% 7W	F
IC651	8-759-945-58	IC RC4558P		R681	1-249-448-11	CARBON 1.2 5% 1/4W	(AEP, AUS ONLY)
<COIL>					1-249-429-11	CARBON 10K 5% 1/4W	(WG ONLY)
L601	1-407-365-00	COIL, CHOKE		R682	1-249-429-11	CARBON 10K 5% 1/4W	
L652	1-408-159-00	COIL, SPOOK CHOKE		R683	1-216-488-11	METAL OXIDE 18K 5% 3W	(AEP, AUS ONLY)
L653	1-408-159-00	COIL, SPOOK CHOKE		R684	1-249-448-11	CARBON 1.2 5% 1/4W	F
<IC LINK>				R685	1-249-440-11	CARBON 82K 5% 1/4W	(AEP, AUS ONLY)
PS651	1-532-675-00	LINK, IC		R689	1-249-429-11	CARBON 10K 5% 1/4W	(AEP, AUS ONLY)
PS652	1-532-686-00	LINK, IC		R690	1-249-449-11	CARBON 1.5 5% 1/4W	(AEP, AUS ONLY)
PS653	1-532-686-00	LINK, IC		<VARIABLE RESISTOR>			
PS654	1-532-637-00	LINK, IC		RV651	1-226-771-11	RES, ADJ, METAL GLAZE 1K	
<TRANSISTOR>				RV652	1-226-702-00	RES, ADJ, METAL GLAZE 2.2K	
Q601	8-729-195-82	TRANSISTOR 2SC2958-L		<TRANSFORMER>			
Q602	8-729-802-07	TRANSISTOR 2SD1403-CA		T601	△ 1-421-758-11	TRANSFORMER, LINE FILTER (LFT)	(AEP, AUS ONLY)
	3-704-359-01	SCREW (M3X10), SW (+) P; Q602			△ 1-421-974-11	TRANSFORMER, LINE FILTER (WG ONLY)	
	4-365-216-00	SPACER, MICA; Q602		T602	△ 1-421-758-11	TRANSFORMER, LINE FILTER (LFT)	(AEP, AUS ONLY)
Q651	8-729-109-55	TRANSISTOR 2SD795A-Q1			△ 1-421-974-11	TRANSFORMER, LINE FILTER (WG ONLY)	
	*4-347-706-00	HEAT SINK (TR); Q651		T603	△ 1-437-079-11	TRANSFORMER, HORIZONTAL DRIVE	
Q652	8-729-178-55	TRANSISTOR 2SC2785-E		T605	△ 1-448-901-11	SRT	
Q653	8-719-000-28	THYRISTOR CRO2AM-8		T607	1-421-975-11	TRANSFORMER, LINE FILTER (WG ONLY)	
<RESISTOR>				<THERMISTOR>			
R601	△ 1-217-328-11	WIREWOUND 2.7 10% 7W	F	TH651	1-800-070-99	THERMISTOR TH-4700	
R604	△ 1-247-289-11	CARBON 8.2M 5% 1W		THP601	△ 1-806-387-12	THERMISTOR (POSITIVE)	
R609	1-215-894-11	METAL OXIDE 2.2K 5% 2W	F	*****			
R612	1-215-904-11	METAL OXIDE 100K 5% 2W	F				



**QA QB**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<JACK>							
J25	1-561-534-41	SOCKET 21P		R1751	1-247-104-00	CARBON 75 5% 1/4W	
<COIL>				R1752	1-247-696-11	CARBON 47 5% 1/4W	
L1700	1-408-410-00	INDUCTOR 12UH (WG ONLY)		R1753	1-247-696-11	CARBON 47 5% 1/4W	
<TRANSISTOR>				R1754	1-247-696-11	CARBON 47 5% 1/4W	
Q1894	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1755	1-249-418-11	CARBON 1.2K 5% 1/4W	
Q1895	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1756	1-249-418-11	CARBON 1.2K 5% 1/4W	
Q1896	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1760	1-247-893-11	CARBON 390K 5% 1/4W	
<CONNECTOR>				R1761	1-247-893-11	CARBON 390K 5% 1/4W	
QA1	*1-566-055-11	PIN, CONNECTOR 3P		R1762	1-247-893-11	CARBON 390K 5% 1/4W	
QA2	*1-560-278-00	PLUG, CONNECTOR 3P		R1763	1-247-893-11	CARBON 390K 5% 1/4W	
QA11	*1-566-054-11	PIN, CONNECTOR 2P		R1764	1-247-743-11	CARBON 220 5% 1/2W	
<RESISTOR>				R1765	1-247-743-11	CARBON 220 5% 1/2W	
R1700	1-247-104-00	CARBON 75 5% 1/4W		R1768	1-249-406-11	CARBON 120 5% 1/4W	
R1701	1-249-417-11	CARBON 1K 5% 1/4W		R1769	1-247-710-11	CARBON 560 5% 1/4W	
R1702	1-249-439-11	CARBON 68K 5% 1/4W		R2800	1-247-104-00	CARBON 75 5% 1/4W	
R1703	1-249-417-11	CARBON 1K 5% 1/4W		R2801	1-247-104-00	CARBON 75 5% 1/4W	
R1704	1-249-439-11	CARBON 68K 5% 1/4W		R2802	1-249-433-11	CARBON 22K 5% 1/4W	
R1705	1-247-804-11	CARBON 75 5% 1/4W		R2803	1-249-462-11	CARBON 22K 5% 1/4W	
R1706	1-249-417-11	CARBON 1K 5% 1/4W		R2804	1-247-713-11	CARBON 1K 5% 1/4W	
R1707	1-249-439-11	CARBON 68K 5% 1/4W		R2805	1-249-433-11	CARBON 22K 5% 1/4W	
R1708	1-249-417-11	CARBON 1K 5% 1/4W		R2806	1-249-433-11	CARBON 22K 5% 1/4W	
R1709	1-249-439-11	CARBON 68K 5% 1/4W		R2807	1-249-417-11	CARBON 1K 5% 1/4W	
R1715	1-247-104-00	CARBON 75 5% 1/4W		R2808	1-249-433-11	CARBON 22K 5% 1/4W	
R1716	1-249-421-11	CARBON 2.2K 5% 1/4W		R2809	1-249-462-11	CARBON 22K 5% 1/4W	
R1717	1-247-901-11	CARBON 820K 5% 1/4W		R2810	1-247-713-11	CARBON 1K 5% 1/4W	
R1718	1-247-708-11	CARBON 470 5% 1/4W		R2811	1-249-405-11	CARBON 100 5% 1/4W	
R1719	1-249-408-11	CARBON 180 5% 1/4W		R2812	1-249-405-11	CARBON 100 5% 1/4W	
R1720	1-249-421-11	CARBON 2.2K 5% 1/4W		R2813	1-249-405-11	CARBON 100 5% 1/4W	
R1721	1-247-708-11	CARBON 470 5% 1/4W		<SWITCH>			
R1722	1-249-408-11	CARBON 180 5% 1/4W		S1	1-570-145-11	SWITCH, SLIDE	
R1723	1-249-421-11	CARBON 2.2K 5% 1/4W		S2	1-570-145-11	SWITCH, SLIDE	
R1724	1-247-708-11	CARBON 470 5% 1/4W		S3	1-570-145-11	SWITCH, SLIDE	
R1725	1-249-408-11	CARBON 180 5% 1/4W		S4	1-570-145-11	SWITCH, SLIDE	
R1726	1-247-895-00	CARBON 470K 5% 1/4W		S5	1-570-145-11	SWITCH, SLIDE	
R1727	1-247-713-11	CARBON 1K 5% 1/4W		S6	1-570-145-11	SWITCH, SLIDE	
R1728	1-247-901-11	CARBON 820K 5% 1/4W		<SPARK GAP>			
R1729	1-247-710-11	CARBON 560 5% 1/4W		SG1701	1-519-063-99	DISCHARGING GAP	
R1730	1-247-895-00	CARBON 470K 5% 1/4W		SG1702	1-519-063-99	DISCHARGING GAP	
R1731	1-247-713-11	CARBON 1K 5% 1/4W		*****			
R1732	1-247-901-11	CARBON 820K 5% 1/4W		*A-1270-282-A QB BOARD, COMPLETE			
R1733	1-247-104-00	CARBON 75 5% 1/4W		*****			
R1735	1-247-104-00	CARBON 75 5% 1/4W		<CAPACITOR>			
R1736	1-247-104-00	CARBON 75 5% 1/4W		C1761	1-123-356-00	ELECT 10MF 20% 16V	
R1737	1-247-104-00	CARBON 75 5% 1/4W		C1777	1-102-074-00	CERAMIC 0.001MF 10% 50V	
R1738	1-249-409-11	CARBON 220 5% 1/4W		C1778	1-102-074-00	CERAMIC 0.001MF 10% 50V	
R1739	1-247-104-00	CARBON 75 5% 1/4W		C1779	1-126-103-11	ELECT 470MF 20% 16V	
R1740	1-249-429-11	CARBON 10K 5% 1/4W		C1781	1-101-004-00	CERAMIC 0.01MF 50V	
R1742	1-249-412-11	CARBON 390 5% 1/4W		C1782	1-126-101-11	ELECT 100MF 20% 16V	
R1743	1-247-713-11	CARBON 1K 5% 1/4W		C1788	1-123-356-00	ELECT 10MF 20% 25V	
R1744	1-247-901-11	CARBON 820K 5% 1/4W		C1789	1-123-356-00	ELECT 10MF 20% 25V	
R1746	1-249-406-11	CARBON 120 5% 1/4W		C1790	1-124-477-11	ELECT 47MF 20% 16V	
R1750	1-249-417-11	CARBON 1K 5% 1/4W		C1791	1-124-477-11	ELECT 47MF 20% 16V	
				C1792	1-102-959-00	CERAMIC 22PF 5% 50V	
				C1794	1-124-477-11	ELECT 47MF 20% 16V	
				C1799	1-124-471-00	ELECT 1000MF 20% 6.3V	
				C1800	1-124-477-11	ELECT 47MF 20% 16V	
				C1801	1-126-103-11	ELECT 470MF 20% 16V	

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

PVM-2730QM  
RM-668

FC QA

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*1-621-548-11	FC BOARD *****		1-537-075-21	TERMINAL BOARD, INPUT/OUTPUT		
				1-537-076-11	TERMINAL BOARD, INPUT/OUTPUT		
		<CAPACITOR>			<CAPACITOR>		
C611	1-108-638-11	MYLAR 0.1MF 10% 100V		C1700	1-124-477-11	ELECT 47MF 20% 16V	
C612	1-108-796-11	MYLAR 0.0022MF 5% 50V		C1701	1-126-096-11	ELECT 10MF 20% 25V	
C613	1-123-356-00	ELECT 10MF 20% 16V		C1702	1-126-096-11	ELECT 10MF 20% 25V	
C614	1-123-330-00	ELECT 22MF 20% 25V		C1703	1-124-477-11	ELECT 47MF 20% 16V	
C615	1-102-074-00	CERAMIC 0.001MF 10% 50V		C1704	1-126-096-11	ELECT 10MF 20% 25V	
C616	1-123-875-11	ELECT 10MF 20% 50V		C1705	1-126-096-11	ELECT 10MF 20% 25V	
C625	1-123-380-00	ELECT 1MF 20% 50V		C1708	1-124-589-11	ELECT 47MF 20% 16V	
C627	1-136-153-00	FILM 0.01MF 5% 50V		C1709	1-126-096-11	ELECT 10MF 20% 25V	
C628	1-102-820-00	CERAMIC 330PF 5% 50V		C1710	1-101-880-00	CERAMIC 47PF 5% 50V	
C634	1-108-638-11	MYLAR 0.1MF 10% 100V		C1712	1-101-880-00	CERAMIC 47PF 5% 50V	
		<DIODE>		C1714	1-101-880-00	CERAMIC 47PF 5% 50V	
D603	8-719-911-19	DIODE ISS119		C1715	1-123-356-00	ELECT 10MF 20% 25V	
D604	8-759-157-40	IC UPC574J		C1716	1-123-356-00	ELECT 10MF 20% 25V	
D606	8-719-911-19	DIODE ISS119		C1717	1-123-356-00	ELECT 10MF 20% 25V	
		<CONNECTOR>		C1718	1-123-356-00	ELECT 10MF 20% 25V	
FC1	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P		C1719	1-124-477-11	ELECT 47MF 20% 16V	
FC2	*1-562-516-11	CONNECTOR, BOARD TO BOARD 5P		C1720	1-124-477-11	ELECT 47MF 20% 16V	
		<IC>		C1721	1-124-477-11	ELECT 47MF 20% 16V	
IC601	8-759-100-75	IC UPC1394C		C1722	1-124-589-11	ELECT 47MF 20% 16V	
		<TRANSISTOR>		C1723	1-123-356-00	ELECT 10MF 20% 25V	
Q603	8-729-178-55	TRANSISTOR 2SC2785-E		C1728	1-102-973-00	CERAMIC 100PF 5% 50V	
		<RESISTOR>		C1729	1-102-973-00	CERAMIC 100PF 5% 50V	
R605	1-247-891-00	CARBON 330K 5% 1/4W		C1731	1-102-973-00	CERAMIC 100PF 5% 50V	
R606	1-249-433-11	CARBON 22K 5% 1/4W		C1732	1-102-973-00	CERAMIC 100PF 5% 50V	
R608	1-249-421-11	CARBON 2.2K 5% 1/4W		C1738	1-102-973-00	CERAMIC 100PF 5% 50V	
R611	1-215-457-00	METAL 33K 1% 1/6W		C1743	1-102-973-00	CERAMIC 100PF 5% 50V	
R616	1-247-862-11	CARBON 20K 5% 1/4W		C1744	1-102-973-00	CERAMIC 100PF 5% 50V	
R621	1-249-429-11	CARBON 10K 5% 1/4W		C1747	1-102-965-00	CERAMIC 39PF 5% 50V	
R622	1-249-433-11	CARBON 22K 5% 1/4W		C1748	1-102-965-00	CERAMIC 39PF 5% 50V	
R624	1-249-425-11	CARBON 4.7K 5% 1/4W		C1749	1-102-965-00	CERAMIC 39PF 5% 50V	
R625	1-249-441-11	CARBON 100K 5% 1/4W		C1750	1-102-965-00	CERAMIC 39PF 5% 50V	
R626	1-247-712-11	CARBON 820 5% 1/4W		C1752	1-161-047-00	CERAMIC 0.0047MF 10% 50V	
R633	1-247-887-00	CARBON 220K 5% 1/4W		C1753	1-102-965-00	CERAMIC 39PF 5% 50V	
R634	1-249-437-11	CARBON 47K 5% 1/4W		C1754	1-126-157-11	ELECT 10MF 20% 16V	
R636	1-215-471-00	METAL 120K 1% 1/6W		C1755	1-123-356-00	ELECT 10MF 20% 16V	
R637	1-249-433-11	CARBON 22K 5% 1/4W		C1756	1-101-004-00	CERAMIC 0.01MF 50V	
R638	1-215-435-00	METAL 3.9K 1% 1/6W		C1757	1-101-004-00	CERAMIC 0.01MF 50V	
R639	1-249-425-11	CARBON 4.7K 5% 1/4W		C1758	1-123-356-00	ELECT 10MF 20% 16V	
R674	1-249-440-11	CARBON 82K 5% 1/4W		C1759	1-101-006-00	CERAMIC 0.047MF 50V	
		<THERMISTOR>		C1760	1-124-477-11	ELECT 47MF 20% 16V	
TH601A	1-800-944-11	THERMISTOR TH-4700		C1763	1-130-479-00	MYLAR 0.0047MF 5% 50V	
		*****		C1764	1-130-479-00	MYLAR 0.0047MF 5% 50V	
	*A-1270-281-A	QA BOARD, COMPLETE (AEP,AUS ONLY) *****			<DIODE>		
	*A-1270-283-A	QA BOARD, COMPLETE (WG ONLY) *****		D1703	8-719-109-93	DIODE RD6.2ES-B2	
				D1706	8-719-109-93	DIODE RD6.2ES-B2	
				D1707	8-719-109-93	DIODE RD6.2ES-B2	
				D1708	8-719-109-93	DIODE RD6.2ES-B2	
				D1709	8-719-109-93	DIODE RD6.2ES-B2	
				D1710	8-719-109-93	DIODE RD6.2ES-B2	
				D1711	8-719-109-93	DIODE RD6.2ES-B2	
				D1712	8-719-110-30	DIODE RD12ES-B1	
				D1713	8-719-110-30	DIODE RD12ES-B1	
				D1714	8-719-110-30	DIODE RD12ES-B1	
				D1715	8-719-110-30	DIODE RD12ES-B1	
				D1716	8-719-110-30	DIODE RD12ES-B1	

QB

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1802	1-102-971-00	CERAMIC 82PF	5%	50V	<TRANSISTOR>		
C1804	1-101-004-00	CERAMIC 0.01MF		50V			
C1806	1-101-361-00	CERAMIC 150PF	5%	50V			
C1807	1-102-111-00	CERAMIC 270PF	10%	50V	Q1773	8-729-119-76	TRANSISTOR 2SA1175-HFE
C1808	1-101-004-00	CERAMIC 0.01MF		50V	Q1774	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1810	1-124-477-11	ELECT 47MF	20%	16V	Q1775	8-729-119-76	TRANSISTOR 2SA1175-HFE
C1811	1-124-477-11	ELECT 47MF	20%	16V	Q1776	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1813	1-124-477-11	ELECT 47MF	20%	16V	Q1777	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1820	1-124-477-11	ELECT 47MF	20%	16V	Q1780	8-729-119-76	TRANSISTOR 2SA1175-HFE
C1821	1-101-004-00	CERAMIC 0.01MF		50V	Q1781	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1823	1-136-165-00	FILM 0.1MF	5%	50V	Q1784	8-729-900-89	TRANSISTOR DTC144ES
C1824	1-136-165-00	FILM 0.1MF	5%	50V	Q1785	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1825	1-136-165-00	FILM 0.1MF	5%	50V	Q1786	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1830	1-124-477-11	ELECT 47MF	20%	16V	Q1787	8-729-140-96	TRANSISTOR 2SD774-34
C1831	1-101-004-00	CERAMIC 0.01MF		50V	Q1788	8-729-119-76	TRANSISTOR 2SA1175-HFE
C1832	1-124-477-11	ELECT 47MF	20%	16V	Q1789	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1833	1-101-004-00	CERAMIC 0.01MF		50V	Q1794	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1834	1-101-004-00	CERAMIC 0.01MF		50V	Q1795	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1835	1-124-477-11	ELECT 47MF	20%	16V	Q1796	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1838	1-101-880-00	CERAMIC 47PF	5%	50V	Q1797	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1839	1-124-477-11	ELECT 47MF	20%	16V	Q1798	8-729-119-76	TRANSISTOR 2SA1175-HFE
C1840	1-101-004-00	CERAMIC 0.01MF		50V	Q1799	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1850	1-101-880-00	CERAMIC 47PF	5%	50V	Q1802	8-729-900-36	TRANSISTOR DTC124ES
C1851	1-101-880-00	CERAMIC 47PF	5%	50V	Q1803	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1852	1-101-880-00	CERAMIC 47PF	5%	50V	Q1804	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1893	1-101-004-00	CERAMIC 0.01MF		50V	Q1805	8-729-119-78	TRANSISTOR 2SC2785-HFE
C1894	1-102-129-00	CERAMIC 0.01MF	10%	50V	Q1806	8-729-119-78	TRANSISTOR 2SC2785-HFE
<DIODE>				Q1807	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1770	8-719-911-19	DIODE 1SS119		Q1808	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1772	8-719-911-19	DIODE 1SS119		Q1809	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1773	8-719-911-19	DIODE 1SS119		Q1810	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1774	8-719-911-19	DIODE 1SS119		Q1811	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1775	8-719-911-19	DIODE 1SS119		Q1812	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1776	8-719-911-19	DIODE 1SS119		Q1813	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1777	8-719-911-19	DIODE 1SS119		Q1814	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1780	8-719-911-19	DIODE 1SS119		Q1815	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1781	8-719-911-19	DIODE 1SS119		Q1816	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1782	8-719-911-19	DIODE 1SS119		Q1817	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D1784	8-719-110-14	DIODE RD9.1ES-B3		Q1818	8-729-900-36	TRANSISTOR DTC124ES	
D1787	8-719-109-90	DIODE RD5.6ES-B3		Q1819	8-729-900-36	TRANSISTOR DTC124ES	
D1788	8-719-911-19	DIODE 1SS119		Q1820	8-729-900-36	TRANSISTOR DTC124ES	
D1789	8-719-911-19	DIODE 1SS119		Q1822	8-729-119-78	TRANSISTOR 2SC2785-HFE	
<IC>				Q1823	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC1770	8-759-800-65	IC LA7910		Q1825	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC1771	8-759-140-66	IC UPD4066BC		Q1826	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC1772	8-759-102-37	IC UPD4052BC		Q1827	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC1773	8-759-102-37	IC UPD4052BC		Q1831	8-729-900-36	TRANSISTOR DTC124ES	
IC1774	8-759-989-69	IC SN74LS86AN		Q1832	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC1775	8-759-901-38	IC SN74LS138N		Q1891	8-729-900-36	TRANSISTOR DTC124ES	
IC1776	8-759-900-09	IC SN74LS09N		Q1900	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC1777	8-759-710-40	IC NJM2234D		<CONNECTOR>			
IC1778	8-759-710-40	IC NJM2234D		QB11	*1-566-058-11	PIN, CONNECTOR 6P	
<COIL>				QB12	*1-566-056-11	PIN, CONNECTOR 4P	
L1801	1-408-404-00	INDUCTOR 3.9UH		QB13	*1-566-056-11	PIN, CONNECTOR 4P	
L1802	1-408-404-00	INDUCTOR 3.9UH		QB14	*1-566-054-11	PIN, CONNECTOR 2P	
L1803	1-408-404-00	INDUCTOR 3.9UH		QB15	*1-566-057-11	PIN, CONNECTOR 5P	
				QB16	*1-566-056-11	PIN, CONNECTOR 4P	
				QB17	*1-566-059-11	PIN, CONNECTOR 7P	
				QB21	*1-566-055-11	PIN, CONNECTOR 3P	
				QB22	*1-566-057-11	PIN, CONNECTOR 5P	
				QB23	*1-566-054-11	PIN, CONNECTOR 2P	

**QB**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<RESISTOR>				R1854	1-249-416-11	CARBON 820 5% 1/4W	
R1771	1-249-469-11	CARBON 100K 5% 1/4W		R1855	1-249-417-11	CARBON 1K 5% 1/4W	
R1776	1-249-405-11	CARBON 100 5% 1/4W		R1856	1-249-417-11	CARBON 1K 5% 1/4W	
R1777	1-249-405-11	CARBON 100 5% 1/4W		R1857	1-247-713-11	CARBON 1K 5% 1/4W	
R1778	1-249-405-11	CARBON 100 5% 1/4W		R1858	1-249-433-11	CARBON 22K 5% 1/4W	
R1779	1-249-441-11	CARBON 100K 5% 1/4W		R1859	1-249-417-11	CARBON 1K 5% 1/4W	
R1780	1-249-433-11	CARBON 22K 5% 1/4W		R1860	1-249-429-11	CARBON 10K 5% 1/4W	
R1781	1-249-441-11	CARBON 100K 5% 1/4W		R1861	1-249-417-11	CARBON 1K 5% 1/4W	
R1782	1-249-425-11	CARBON 4.7K 5% 1/4W		R1862	1-249-417-11	CARBON 1K 5% 1/4W	
R1783	1-249-469-11	CARBON 100K 5% 1/4W		R1863	1-249-433-11	CARBON 22K 5% 1/4W	
R1784	1-249-433-11	CARBON 22K 5% 1/4W		R1864	1-249-417-11	CARBON 1K 5% 1/4W	
R1785	1-249-441-11	CARBON 100K 5% 1/4W		R1865	1-249-425-11	CARBON 4.7K 5% 1/4W	
R1786	1-249-441-11	CARBON 100K 5% 1/4W		R1866	1-249-412-11	CARBON 390 5% 1/4W	
R1787	1-249-433-11	CARBON 22K 5% 1/4W		R1867	1-249-417-11	CARBON 1K 5% 1/4W	
R1789	1-249-401-11	CARBON 47 5% 1/4W		R1868	1-249-412-11	CARBON 390 5% 1/4W	
R1793	1-249-417-11	CARBON 1K 5% 1/4W		R1869	1-249-421-11	CARBON 2.2K 5% 1/4W	
R1794	1-247-895-00	CARBON 470K 5% 1/4W		R1870	1-249-421-11	CARBON 2.2K 5% 1/4W	
R1795	1-249-422-11	CARBON 2.7K 5% 1/4W		R1871	1-249-421-11	CARBON 2.2K 5% 1/4W	
R1796	1-249-440-11	CARBON 82K 5% 1/4W		R1872	1-249-433-11	CARBON 22K 5% 1/4W	
R1797	1-249-434-11	CARBON 27K 5% 1/4W		R1873	1-249-429-11	CARBON 10K 5% 1/4W	
R1798	1-249-425-11	CARBON 4.7K 5% 1/4W		R1874	1-249-413-11	CARBON 470 5% 1/4W	
R1799	1-249-419-11	CARBON 1.5K 5% 1/4W		R1875	1-247-842-11	CARBON 3K 5% 1/4W	
R1804	1-249-429-11	CARBON 10K 5% 1/4W		R1876	1-249-420-11	CARBON 1.8K 5% 1/4W	
R1805	1-247-725-11	CARBON 10K 5% 1/4W		R1877	1-247-725-11	CARBON 10K 5% 1/4W	
R1806	1-249-406-11	CARBON 120 5% 1/4W		R1879	1-249-469-11	CARBON 100K 5% 1/4W	
R1807	1-249-426-11	CARBON 5.6K 5% 1/4W		R1880	1-249-417-11	CARBON 1K 5% 1/4W	
R1808	1-249-426-11	CARBON 5.6K 5% 1/4W		R1881	1-249-422-11	CARBON 2.7K 5% 1/4W	
R1809	1-249-408-11	CARBON 180 5% 1/4W		R1882	1-249-417-11	CARBON 1K 5% 1/4W	
R1810	1-247-832-11	CARBON 1.1K 5% 1/4W		R1883	1-249-433-11	CARBON 22K 5% 1/4W	
R1811	1-249-413-11	CARBON 470 5% 1/4W		R1884	1-249-417-11	CARBON 1K 5% 1/4W	
R1813	1-249-413-11	CARBON 470 5% 1/4W		R1885	1-249-416-11	CARBON 820 5% 1/4W	
R1814	1-249-413-11	CARBON 470 5% 1/4W		R1886	1-249-417-11	CARBON 1K 5% 1/4W	
R1820	1-249-406-11	CARBON 120 5% 1/4W		R1888	1-249-417-11	CARBON 1K 5% 1/4W	
R1821	1-249-406-11	CARBON 120 5% 1/4W		R1892	1-249-415-11	CARBON 680 5% 1/4W	
R1822	1-249-406-11	CARBON 120 5% 1/4W		R1893	1-249-433-11	CARBON 22K 5% 1/4W	
R1823	1-249-406-11	CARBON 120 5% 1/4W		R1894	1-249-428-11	CARBON 8.2K 5% 1/4W	
R1824	1-247-881-00	CARBON 120K 5% 1/4W		R1896	1-249-415-11	CARBON 680 5% 1/4W	
R1825	1-247-881-00	CARBON 120K 5% 1/4W		R1898	1-249-426-11	CARBON 5.6K 5% 1/4W	
R1826	1-247-881-00	CARBON 120K 5% 1/4W		R1899	1-249-426-11	CARBON 5.6K 5% 1/4W	
R1827	1-249-429-11	CARBON 10K 5% 1/4W		R1901	1-249-429-11	CARBON 10K 5% 1/4W	
R1828	1-249-417-11	CARBON 1K 5% 1/4W		R1902	1-249-417-11	CARBON 1K 5% 1/4W	
R1829	1-249-429-11	CARBON 10K 5% 1/4W		R1903	1-249-412-11	CARBON 390 5% 1/4W	
R1830	1-249-429-11	CARBON 10K 5% 1/4W		R1920	1-249-429-11	CARBON 10K 5% 1/4W	
R1831	1-249-417-11	CARBON 1K 5% 1/4W		R1921	1-249-424-11	CARBON 3.9K 5% 1/4W	
R1832	1-249-429-11	CARBON 10K 5% 1/4W		R1922	1-249-424-11	CARBON 3.9K 5% 1/4W	
R1833	1-249-429-11	CARBON 10K 5% 1/4W		R1923	1-249-421-11	CARBON 2.2K 5% 1/4W	
R1834	1-249-417-11	CARBON 1K 5% 1/4W		R1925	1-249-440-11	CARBON 82K 5% 1/4W	
R1835	1-249-428-11	CARBON 8.2K 5% 1/4W		R1926	1-249-440-11	CARBON 82K 5% 1/4W	
R1836	1-249-422-11	CARBON 2.7K 5% 1/4W		R1927	1-249-440-11	CARBON 82K 5% 1/4W	
R1837	1-249-417-11	CARBON 1K 5% 1/4W		R1929	1-247-722-11	CARBON 5.6K 5% 1/4W	
R1838	1-249-426-11	CARBON 5.6K 5% 1/4W		R1930	1-247-714-11	CARBON 1.2K 5% 1/4W	
R1839	1-249-426-11	CARBON 5.6K 5% 1/4W		R1931	1-249-417-11	CARBON 1K 5% 1/4W	
R1841	1-249-433-11	CARBON 22K 5% 1/4W		R1932	1-249-417-11	CARBON 1K 5% 1/4W	
R1842	1-249-433-11	CARBON 22K 5% 1/4W		R1935	1-249-428-11	CARBON 8.2K 5% 1/4W	
R1843	1-249-462-11	CARBON 22K 5% 1/4W		R1936	1-249-459-11	CARBON 12K 5% 1/4W	
R1844	1-249-405-11	CARBON 100 5% 1/4W		R1937	1-249-428-11	CARBON 8.2K 5% 1/4W	
R1845	1-249-433-11	CARBON 22K 5% 1/4W		R1938	1-249-428-11	CARBON 8.2K 5% 1/4W	
R1846	1-247-714-11	CARBON 1.2K 5% 1/4W		R1939	1-249-428-11	CARBON 8.2K 5% 1/4W	
R1847	1-249-437-11	CARBON 47K 5% 1/4W		R1940	1-249-428-11	CARBON 8.2K 5% 1/4W	
R1848	1-249-428-11	CARBON 8.2K 5% 1/4W		R1950	1-249-428-11	CARBON 8.2K 5% 1/4W	
R1849	1-249-465-11	CARBON 47K 5% 1/4W		R1951	1-249-429-11	CARBON 10K 5% 1/4W	
R1850	1-249-428-11	CARBON 8.2K 5% 1/4W		R1953	1-249-423-11	CARBON 3.3K 5% 1/4W	
R1851	1-249-465-11	CARBON 47K 5% 1/4W		R1965	1-247-712-11	CARBON 820 5% 1/4W	
R1852	1-249-428-11	CARBON 8.2K 5% 1/4W					
R1853	1-249-416-11	CARBON 820 5% 1/4W					

C

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QB C

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1966	1-247-712-11	CARBON 820 5% 1/4W		D706	8-719-911-19	DIODE 1SS119	
R1967	1-247-712-11	CARBON 820 5% 1/4W		D707	8-719-911-19	DIODE 1SS119	
R1968	1-247-881-00	CARBON 120K 5% 1/4W		D708	8-719-911-19	DIODE 1SS119	
R1969	1-249-440-11	CARBON 82K 5% 1/4W		D709	8-719-911-19	DIODE 1SS119	
R1971	1-249-417-11	CARBON 1K 5% 1/4W		D710	8-719-901-83	DIODE 1SS83	
R1972	1-249-417-11	CARBON 1K 5% 1/4W		D711	8-719-901-83	DIODE 1SS83	
R1973	1-249-417-11	CARBON 1K 5% 1/4W		D712	8-719-901-83	DIODE 1SS83	
R1974	1-249-417-11	CARBON 1K 5% 1/4W		D713	8-719-901-83	DIODE 1SS83	
R1978	1-249-405-11	CARBON 100 5% 1/4W		D751	8-719-911-19	DIODE 1SS119	
				D752	8-719-911-19	DIODE 1SS119	
*****							
*A-1330-789-A C BOARD, COMPLETE				<COIL>			
*****							
1-526-644-71 SOCKET, PICTURE TUBE				L701	1-408-092-00	INDUCTOR 330UH	
				L702	1-407-708-00	INDUCTOR 180UH	
				L703	1-407-708-00	INDUCTOR 180UH	
				L704	1-408-121-00	INDUCTOR 22UH	
				L705	1-408-121-00	INDUCTOR 22UH	
<CONNECTOR>				L706	1-408-088-00	INDUCTOR 220UH	
C1	*1-506-371-00	PIN, CONNECTOR 2P		L707	1-408-121-00	INDUCTOR 22UH	
C2	*1-566-054-11	PIN, CONNECTOR 2P		L721	1-408-413-00	INDUCTOR 22UH	
C3	*1-566-055-11	PIN, CONNECTOR 3P		L751	1-408-399-00	INDUCTOR 1.5UH	
C5	*1-566-061-11	PIN, CONNECTOR 9P		<TRANSISTOR>			
C6	*1-566-054-11	PIN, CONNECTOR 2P		Q701	8-729-326-11	TRANSISTOR 2SC2611	
C7	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P		Q702	8-729-178-55	TRANSISTOR 2SC2785-E	
<CAPACITOR>				Q703	8-729-200-17	TRANSISTOR 2SA1091-0	
C701	1-162-115-00	CERAMIC 330PF 10% 2KV		Q704	8-729-326-11	TRANSISTOR 2SC2611	
C702	1-129-779-00	FILM 0.022MF 20% 1KV		Q705	8-729-178-55	TRANSISTOR 2SC2785-E	
C703	1-124-927-11	ELECT 4.7MF 20% 100V		Q706	8-729-200-17	TRANSISTOR 2SA1091-0	
C704	1-123-948-00	ELECT 22MF 20% 250V		Q707	8-729-200-17	TRANSISTOR 2SA1091-0	
C705	1-108-704-11	MYLAR 0.1MF 10% 200V		Q708	8-729-326-11	TRANSISTOR 2SC2611	
C706	1-108-704-11	MYLAR 0.1MF 10% 200V		Q709	8-729-178-55	TRANSISTOR 2SC2785-E	
C707	1-102-116-00	CERAMIC 680PF 10% 50V		Q710	8-729-255-12	TRANSISTOR 2SC2551-0	
C708	1-102-116-00	CERAMIC 680PF 10% 50V		Q712	8-729-255-12	TRANSISTOR 2SC2551-0	
C709	1-102-116-00	CERAMIC 680PF 10% 50V		Q714	8-729-200-17	TRANSISTOR 2SA1091-0	
C710	1-102-115-00	CERAMIC 560PF 10% 50V		Q715	8-729-200-17	TRANSISTOR 2SA1091-0	
C711	1-123-356-00	ELECT 10MF 20% 25V		Q716	8-729-200-17	TRANSISTOR 2SA1091-0	
C712	1-102-116-00	CERAMIC 680PF 10% 50V		Q751	8-729-178-55	TRANSISTOR 2SC2785-E	
C713	1-102-116-00	CERAMIC 680PF 10% 50V		Q752	8-729-178-55	TRANSISTOR 2SC2785-E	
C714	1-123-321-00	ELECT 220MF 20% 16V		Q753	8-729-178-55	TRANSISTOR 2SC2785-E	
C715	1-102-125-00	CERAMIC 0.0047MF 10% 50V		Q754	8-729-140-96	TRANSISTOR 2SD774-34	
C718	1-102-125-00	CERAMIC 0.0047MF 10% 50V		Q755	8-729-178-55	TRANSISTOR 2SC2785-E	
C723	1-108-634-11	MYLAR 0.047MF 10% 100V		Q756	8-729-140-97	TRANSISTOR 2SB734-34	
C753	1-102-971-00	CERAMIC 82PF 5% 50V		Q757	8-729-140-96	TRANSISTOR 2SD774-34	
C754	1-108-617-11	MYLAR 0.0018MF 10% 100V		<RESISTOR>			
C755	1-123-356-00	ELECT 10MF 20% 25V		R701	1-216-341-11	METAL OXIDE 0.22 5% 1W	F
C756	1-108-626-11	MYLAR 0.01MF 10% 100V		R702	1-202-846-00	SOLID 470K 10% 1/2W	
C757	1-108-626-11	MYLAR 0.01MF 10% 100V		R703	1-202-844-00	SOLID 330K 10% 1/2W	
C758	1-102-963-00	CERAMIC 33PF 5% 50V		R704	1-202-815-11	SOLID 47K 10% 1/2W	
C759	1-102-963-00	CERAMIC 33PF 5% 50V		R705	1-202-846-00	SOLID 470K 10% 1/2W	
C760	1-108-614-11	MYLAR 0.001MF 10% 100V		R706	1-202-720-00	SOLID 1.2M 10% 1/2W	
C762	1-136-177-00	FILM 1MF 5% 50V		R707	1-202-842-11	SOLID 220K 10% 1/2W	
C763	1-123-356-00	ELECT 10MF 20% 50V		R708	1-202-818-00	SOLID 1K 10% 1/2W	
C764	1-108-638-11	MYLAR 0.1MF 10% 100V		R709	1-202-818-00	SOLID 1K 10% 1/2W	
C765	1-123-380-00	ELECT 1MF 20% 50V		R710	1-202-818-00	SOLID 1K 10% 1/2W	
C766	1-124-122-11	ELECT 100MF 20% 50V		R711	1-202-549-00	SOLID 100 10% 1/2W	
<DIODE>				R712	1-202-543-00	SOLID 56 10% 1/2W	
D701	8-719-911-19	DIODE 1SS119		R713	1-216-486-00	METAL OXIDE 8.2K 5% 3W	F
D702	8-719-911-19	DIODE 1SS119		R714	1-249-409-11	CARBON 220 5% 1/4W	
D703	8-719-911-19	DIODE 1SS119		R715	1-249-429-11	CARBON 10K 5% 1/4W	
D704	8-719-911-19	DIODE 1SS119					
D705	8-719-911-19	DIODE 1SS119					

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<TRANSISTOR>							
Q2501	8-729-178-55	TRANSISTOR 2SC2785-E		R2554	1-247-895-00	CARBON 470K 5%	1/4W
Q2502	8-729-178-55	TRANSISTOR 2SC2785-E		R2555	1-249-424-11	CARBON 3.9K 5%	1/4W
Q2503	8-729-178-55	TRANSISTOR 2SC2785-E		R2556	1-249-425-11	CARBON 4.7K 5%	1/4W
Q2504	8-729-178-55	TRANSISTOR 2SC2785-E		R2557	1-249-429-11	CARBON 10K 5%	1/4W
Q2505	8-729-178-55	TRANSISTOR 2SC2785-E		R2558	1-249-425-11	CARBON 4.7K 5%	1/4W
Q2506	8-729-122-03	TRANSISTOR 2SA1220A-P		R2559	1-249-429-11	CARBON 10K 5%	1/4W
Q2507	8-729-169-02	TRANSISTOR 2SC2690A-Q		R2560	1-249-430-11	CARBON 12K 5%	1/4W
Q2510	8-729-195-82	TRANSISTOR 2SC2958-L		R2561	1-249-429-11	CARBON 10K 5%	1/4W
Q2511	8-729-119-76	TRANSISTOR 2SA1175-HFE		R2562	1-247-704-11	CARBON 220 5%	1/4W
Q2512	8-729-122-03	TRANSISTOR 2SA1220A-P		R2563	1-249-425-11	CARBON 4.7K 5%	1/4W
Q2515	8-729-119-76	TRANSISTOR 2SA1175-HFE		R2564	1-249-437-11	CARBON 47K 5%	1/4W
Q2516	8-729-178-55	TRANSISTOR 2SC2785-E		R2565	1-249-441-11	CARBON 100K 5%	1/4W
<RESISTOR>				R2566	1-249-409-11	CARBON 220 5%	1/4W
R2501	1-249-435-11	CARBON 33K 5%	1/4W	R2567	1-249-421-11	CARBON 2.2K 5%	1/4W
R2502	1-249-429-11	CARBON 10K 5%	1/4W	<VARIABLE RESISTOR>			
R2503	1-249-435-11	CARBON 33K 5%	1/4W	RV2501	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
R2504	1-249-429-11	CARBON 10K 5%	1/4W	RV2502	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
R2505	1-249-420-11	CARBON 1.8K 5%	1/4W	RV2503	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
R2506	1-249-429-11	CARBON 10K 5%	1/4W	RV2504	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
R2507	1-249-437-11	CARBON 47K 5%	1/4W	RV2505	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
R2508	1-249-437-11	CARBON 47K 5%	1/4W	<TRANSFORMER>			
R2509	1-249-418-11	CARBON 1.2K 5%	1/4W	T2501	1-407-849-00	TRANSFORMER, D.F	
R2510	1-249-438-11	CARBON 56K 5%	1/4W	*****			
R2511	1-249-439-11	CARBON 68K 5%	1/4W	*A-1340-941-A D3 BOARD, COMPLETE			
R2512	1-249-429-11	CARBON 10K 5%	1/4W	*****			
R2513	1-249-417-11	CARBON 1K 5%	1/4W	*1-566-054-11	PIN, CONNECTOR 2P		
R2514	1-247-700-11	CARBON 100 5%	1/4W	*1-566-057-11	PIN, CONNECTOR 5P		
R2515	1-249-439-11	CARBON 68K 5%	1/4W	*1-566-058-11	PIN, CONNECTOR 6P		
R2516	1-249-425-11	CARBON 4.7K 5%	1/4W	<CAPACITOR>			
R2517	1-249-439-11	CARBON 68K 5%	1/4W	C2601	1-124-598-11	ELECT 22MF 20%	25V
R2518	1-249-439-11	CARBON 68K 5%	1/4W	C2602	1-123-381-00	ELECT 2.2MF 20%	50V
R2519	1-249-437-11	CARBON 47K 5%	1/4W	C2603	1-123-381-00	ELECT 2.2MF 20%	50V
R2520	1-249-421-11	CARBON 2.2K 5%	1/4W	C2604	1-123-369-00	ELECT 4.7MF 20%	50V
R2521	1-249-439-11	CARBON 68K 5%	1/4W	C2606	1-101-004-00	CERAMIC 0.01MF	50V
R2522	1-249-430-11	CARBON 12K 5%	1/4W	C2607	1-123-333-00	ELECT 100MF 20%	25V
R2523	1-249-423-11	CARBON 3.3K 5%	1/4W	C2608	1-123-381-00	ELECT 2.2MF 20%	50V
R2524	1-249-426-11	CARBON 5.6K 5%	1/4W	C2609	1-124-598-11	ELECT 22MF 20%	25V
R2525	1-249-417-11	CARBON 1K 5%	1/4W	C2610	1-126-163-11	ELECT 4.7MF 20%	50V
R2526	1-249-423-11	CARBON 3.3K 5%	1/4W	C2611	1-124-261-00	ELECT 10MF 20%	50V
R2527	1-249-433-11	CARBON 22K 5%	1/4W	C2612	1-126-163-11	ELECT 4.7MF 20%	50V
R2528	1-249-425-11	CARBON 4.7K 5%	1/4W	C2613	1-126-163-11	ELECT 4.7MF 20%	50V
R2529	1-249-433-11	CARBON 22K 5%	1/4W	C2615	1-101-004-00	CERAMIC 0.01MF	50V
R2530	1-249-423-11	CARBON 3.3K 5%	1/4W	C2616	1-124-598-11	ELECT 22MF 20%	25V
R2531	1-249-401-11	CARBON 47 5%	1/4W F	C2617	1-124-598-11	ELECT 22MF 20%	25V
R2532	1-249-401-11	CARBON 47 5%	1/4W F	C2618	1-124-598-11	ELECT 22MF 20%	25V
R2533	1-249-399-11	CARBON 33 5%	1/4W F	<DIODE>			
R2534	1-249-429-11	CARBON 10K 5%	1/4W	D2601	8-719-016-42	DIODE MC932	
R2540	1-249-434-11	CARBON 27K 5%	1/4W	D2602	8-719-016-42	DIODE MC932	
R2541	1-247-883-00	CARBON 150K 5%	1/4W	D2603	8-719-110-60	DIODE RD24ES-B	
R2542	1-216-426-11	METAL OXIDE 82 5%	1W F	D2604	8-719-911-19	DIODE ISS119	
R2543	1-212-960-00	FUSIBLE 12 5%	1/2W F	<IC>			
R2544	1-215-884-11	METAL OXIDE 47 5%	2W F	IC2601	8-759-981-95	IC RC4558S	
R2545	1-249-421-11	CARBON 2.2K 5%	1/4W	IC2602	8-759-909-70	IC CX23025	
R2546	1-247-706-11	CARBON 330 5%	1/4W				
R2547	1-249-435-11	CARBON 33K 5%	1/4W				
R2548	1-249-439-11	CARBON 68K 5%	1/4W				
R2549	1-249-441-11	CARBON 100K 5%	1/4W				
R2550	1-249-424-11	CARBON 3.9K 5%	1/4W				

**D3 D**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<TRANSISTOR>				<VARIABLE RESISTOR>			
Q2601	8-729-119-78	TRANSISTOR 2SC2785-HFE		RV2601	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K	
Q2602	8-729-900-36	TRANSISTOR DTC124ES		RV2602	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K	
Q2603	8-729-119-78	TRANSISTOR 2SC2785-HFE		RV2603	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
Q2604	8-729-119-78	TRANSISTOR 2SC2785-HFE		RV2604	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
Q2605	8-729-119-78	TRANSISTOR 2SC2785-HFE		RV2605	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K	
Q2606	8-729-119-78	TRANSISTOR 2SC2785-HFE		RV2606	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
Q2607	8-729-105-73	TRANSISTOR 2SK523-L2		RV2607	1-228-993-00	RES, ADJ, CARBON 4.7K	
Q2608	8-729-119-78	TRANSISTOR 2SC2785-HFE		*****			
<RESISTOR>				*A-1345-699-A D BOARD, COMPLETE			
				*****			
R2601	1-249-438-11	CARBON	56K 5% 1/4W	<CAPACITOR>			
R2602	1-249-435-11	CARBON	33K 5% 1/4W	C501	1-123-380-00	ELECT	1MF 20% 50V
R2603	1-249-424-11	CARBON	3.9K 5% 1/4W	C502	1-108-622-11	MYLAR	0.0047MF 10% 100V
R2604	1-249-424-11	CARBON	3.9K 5% 1/4W	C503	1-106-351-00	MYLAR	0.0022MF 10% 100V
R2605	1-247-704-11	CARBON	220 5% 1/4W	C504	1-126-103-11	ELECT	470MF 20% 16V
R2609	1-249-441-11	CARBON	100K 5% 1/4W	C505	1-123-379-00	ELECT	0.47MF 20% 50V
R2610	1-249-441-11	CARBON	100K 5% 1/4W	C506	1-124-963-11	ELECT	33MF 20% 16V
R2611	1-247-725-11	CARBON	10K 5% 1/4W	C507	1-123-379-00	ELECT	0.47MF 20% 50V
R2612	1-249-438-11	CARBON	56K 5% 1/4W	C508	1-136-173-00	FILM	0.47MF 5% 50V
R2613	1-247-881-00	CARBON	120K 5% 1/4W	C509	1-123-357-00	ELECT	22MF 20% 50V
R2614	1-249-429-11	CARBON	10K 5% 1/4W	C512	1-136-162-00	FILM	0.056MF 5% 50V
R2615	1-249-429-11	CARBON	10K 5% 1/4W	C514	1-124-517-11	ELECT	470MF 10% 50V
R2616	1-249-429-11	CARBON	10K 5% 1/4W	C515	1-126-233-11	ELECT	22MF 10% 50V
R2617	1-249-429-11	CARBON	10K 5% 1/4W	C516	1-123-336-00	ELECT	470MF 20% 25V
R2618	1-249-429-11	CARBON	10K 5% 1/4W	C520	1-102-244-00	CERAMIC	220PF 10% 500V
R2619	1-249-441-11	CARBON	100K 5% 1/4W	C521	1-126-170-11	ELECT	1000MF 20% 50V
R2620	1-249-441-11	CARBON	100K 5% 1/4W	C522	1-123-875-11	ELECT	10MF 20% 50V
R2622	1-249-429-11	CARBON	10K 5% 1/4W	C523	1-108-704-11	MYLAR	0.1MF 10% 200V
R2623	1-249-429-11	CARBON	10K 5% 1/4W	C524	1-106-381-12	MYLAR	0.039MF 10% 200V
R2624	1-249-417-11	CARBON	1K 5% 1/4W	C525	1-102-244-00	CERAMIC	220PF 10% 500V
R2625	1-249-429-11	CARBON	10K 5% 1/4W	C526	1-124-342-00	ELECT	3.3MF 20% 160V
R2626	1-249-433-11	CARBON	22K 5% 1/4W	C527	1-106-371-00	MYLAR	0.015MF 10% 200V
R2627	1-249-433-11	CARBON	22K 5% 1/4W	C528	1-162-318-11	CERAMIC	0.001MF 10% 500V
R2628	1-249-429-11	CARBON	10K 5% 1/4W	C531	1-123-379-00	ELECT	0.47MF 20% 50V
R2629	1-249-405-11	CARBON	100 5% 1/4W	C545	1-123-330-00	ELECT	22MF 20% 25V
R2630	1-249-405-11	CARBON	100 5% 1/4W	C546	1-123-381-00	ELECT	2.2MF 20% 50V
R2631	1-247-700-11	CARBON	100 5% 1/4W	C547	1-123-333-00	ELECT	100MF 20% 25V
R2632	1-249-423-11	CARBON	3.3K 5% 1/4W	C548	1-123-321-00	ELECT	220MF 20% 16V
R2633	1-249-423-11	CARBON	3.3K 5% 1/4W	C551	1-123-357-00	ELECT	22MF 20% 50V
R2634	1-247-700-11	CARBON	100 5% 1/4W	C552	1-123-356-00	ELECT	10MF 20% 50V
R2635	1-247-722-11	CARBON	5.6K 5% 1/4W	C555	1-123-379-00	ELECT	0.47MF 20% 50V
R2636	1-249-427-11	CARBON	6.8K 5% 1/4W	C556	1-136-175-00	FILM	0.68MF 5% 50V
R2637	1-249-433-11	CARBON	22K 5% 1/4W	C557	1-136-169-00	FILM	0.22MF 5% 50V
R2638	1-249-431-11	CARBON	15K 5% 1/4W	C1501	1-136-161-00	FILM	0.047MF 5% 50V
R2639	1-249-437-11	CARBON	47K 5% 1/4W	C1502	1-108-638-11	MYLAR	0.1MF 10% 100V
R2640	1-249-429-11	CARBON	10K 5% 1/4W	C1503	1-108-628-11	MYLAR	0.015MF 10% 100V
R2642	1-249-424-11	CARBON	3.9K 5% 1/4W	C1504	1-123-330-00	ELECT	22MF 20% 16V
R2643	1-249-423-11	CARBON	3.3K 5% 1/4W	C1505	1-108-626-11	MYLAR	0.01MF 10% 100V
R2644	1-247-885-00	CARBON	180K 5% 1/4W	C1506	1-123-356-00	ELECT	10MF 20% 25V
R2645	1-249-429-11	CARBON	10K 5% 1/4W	C1507	1-123-332-00	ELECT	47MF 20% 25V
R2646	1-249-405-11	CARBON	100 5% 1/4W	C1508	1-130-480-00	FILM	0.0056MF 5% 50V
R2647	1-249-439-11	CARBON	68K 5% 1/4W	C1509	1-123-369-00	ELECT	4.7MF 20% 25V
R2648	1-249-437-11	CARBON	47K 5% 1/4W	C1510	1-102-820-00	CERAMIC	330PF 5% 50V
R2649	1-249-417-11	CARBON	1K 5% 1/4W	C1511	1-123-321-00	ELECT	220MF 20% 16V
R2650	1-249-417-11	CARBON	1K 5% 1/4W	C1512	1-123-379-00	ELECT	0.47MF 20% 50V
R2651	1-247-881-00	CARBON	120K 5% 1/4W	C1520	1-102-125-00	CERAMIC	0.0047MF 10% 50V
				C1521	1-108-631-11	MYLAR	0.027MF 10% 100V
				C1522	1-123-333-00	ELECT	100MF 20% 25V
				C1523	1-102-978-00	CERAMIC	220PF 5% 50V
				C1524	1-108-698-11	MYLAR	0.033MF 10% 200V
				C1525	1-162-117-00	CERAMIC	100PF 10% 500V

**D**

The components identified by shading and mark **Δ** are critical for safety.  
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<COIL>				<RESISTOR>			
L501	1-459-060-00	COIL,DYNAMIC CONVERSION CHOKE		R501	1-247-895-00	CARBON 470K 5%	1/4W
L1501	1-408-159-00	COIL, SPOON CHOKE 3.3UH		R502	1-249-427-11	CARBON 6.8K 5%	1/4W
L1502	1-459-215-00	CORE COIL		R503	1-249-425-11	CARBON 4.7K 5%	1/4W
L1503	1-407-365-00	COIL,CHOKE		R504	1-249-429-11	CARBON 10K 5%	1/4W
L1504	1-407-365-00	COIL,CHOKE		R505	1-249-421-11	CARBON 2.2K 5%	1/4W
L1505	1-407-365-00	COIL,CHOKE		R506	1-249-435-11	CARBON 33K 5%	1/4W
L1506	1-459-104-00	COIL, DUST CORE		R507	1-249-424-11	CARBON 3.9K 5%	1/4W
L1507	1-407-365-00	COIL,CHOKE		R508	1-247-726-11	CARBON 33K 5%	1/4W
L1508Δ	1-424-059-11	PMC		R509	1-249-428-11	CARBON 8.2K 5%	1/4W
L1510	1-407-365-00	COIL,CHOKE		R510	1-249-431-11	CARBON 15K 5%	1/4W
L1511	1-407-365-00	COIL,CHOKE		R511	1-249-432-11	CARBON 18K 5%	1/4W
L1512Δ	1-459-308-32	COIL, HORIZONTAL LINEARITY		R512	1-247-858-11	CARBON 13K 5%	1/4W
<IC LINK>				R513	1-249-430-11	CARBON 12K 5%	1/4W
PS501	1-532-727-11	LINK, IC		R514	1-247-876-11	CARBON 75K 5%	1/4W
<TRANSISTOR>				R515	1-249-468-11	CARBON 82K 5%	1/4W
Q501	8-729-178-55	TRANSISTOR 2SC2785-E		R516	1-247-713-11	CARBON 1K 5%	1/4W
Q502	8-729-178-55	TRANSISTOR 2SC2785-E		R517	1-249-420-11	CARBON 1.8K 5%	1/4W
Q503	8-729-119-76	TRANSISTOR 2SA1175-HFE		R518	1-247-721-11	CARBON 4.7K 5%	1/4W
Q505	8-729-119-76	TRANSISTOR 2SA1175-HFE		R519	1-247-715-11	CARBON 1.5K 5%	1/4W
Q506	8-729-178-55	TRANSISTOR 2SC2785-E		R520	1-249-429-11	CARBON 10K 5%	1/4W
Q510	8-729-195-82	TRANSISTOR 2SC2958-L		R521	1-249-434-11	CARBON 27K 5%	1/4W
Q511	8-729-122-03	TRANSISTOR 2SA1220A-P		R522	1-249-438-11	CARBON 56K 5%	1/4W
Q512	8-729-169-02	TRANSISTOR 2SC2690A-Q		R523	1-214-765-00	METAL 33K 1%	1/4W
Q515	8-729-119-76	TRANSISTOR 2SA1175-HFE		R525	1-216-353-00	METAL OXIDE 2.2 5%	1W F
Q516	8-729-140-96	TRANSISTOR 2SD774-34		R526	1-249-423-11	CARBON 3.3K 5%	1/4W
Q518	8-729-178-55	TRANSISTOR 2SC2785-E		R527	1-249-420-11	CARBON 1.8K 5%	1/4W
Q522	8-729-119-76	TRANSISTOR 2SA1175-HFE		R528	1-249-413-11	CARBON 470 5%	1/4W
Q523	8-729-119-76	TRANSISTOR 2SA1175-HFE		R529	1-249-414-11	CARBON 560 5%	1/4W
Q1501	8-729-119-76	TRANSISTOR 2SA1175-HFE		R530	1-247-705-11	CARBON 270 5%	1/4W
Q1503	8-729-203-81	TRANSISTOR 2SC2238B-0		R536	1-249-393-11	CARBON 10 5%	1/4W F
Q1504	8-729-301-74	TRANSISTOR 2SD1497-04		R537	1-249-399-11	CARBON 33 5%	1/4W F
	4-374-410-01	SPACER, MICA; Q1504		R538	1-215-869-11	METAL OXIDE 1K 5%	1W F
	*4-374-413-01	RETAINER (A), TR; Q1504		R539	1-216-350-11	METAL OXIDE 1.2 5%	1W F
Q1505	8-729-140-96	TRANSISTOR 2SD774-34		R540	1-249-405-11	CARBON 100 5%	1/4W F
Q1506	8-729-140-97	TRANSISTOR 2SB734-34		R541	1-216-350-11	METAL OXIDE 1.2 5%	1W F
Q1507	8-769-330-03	THYRISTOR SG-264A		R542	1-215-865-11	METAL OXIDE 220 5%	1W F
	3-701-609-00	BUSHING (B), TR; Q1507		R543	1-249-382-11	CARBON 1.2 5%	1/4W F
	4-303-844-00	SPACER, MICA (4) MD-17; Q1507		R544	1-215-869-11	METAL OXIDE 1K 5%	1W F
	*4-309-762-00	RETAINER (MD-17), TRANSISTOR; Q1507		R546	1-247-715-11	CARBON 1.5K 5%	1/4W
Q1508	8-729-301-74	TRANSISTOR 2SD1497-04		R551	1-216-432-00	METAL OXIDE 820 5%	1W F
	4-374-410-01	SPACER, MICA; Q1508		R552	1-247-720-11	CARBON 3.9K 5%	1/4W
	*4-374-413-01	RETAINER (A), TR; Q1508		R553	1-215-891-11	METAL OXIDE 680 5%	2W F
Q1511	8-729-140-97	TRANSISTOR 2SB734-34		R554	1-247-721-11	CARBON 4.7K 5%	1/4W
Q1512	8-729-119-76	TRANSISTOR 2SA1175-HFE		R557	1-247-725-11	CARBON 10K 5%	1/4W
Q1513	8-729-178-55	TRANSISTOR 2SC2785-E		R558	1-249-427-11	CARBON 6.8K 5%	1/4W
Q1514	8-729-178-55	TRANSISTOR 2SC2785-E		R560	1-249-417-11	CARBON 1K 5%	1/4W
Q1515	8-729-178-55	TRANSISTOR 2SC2785-E		R561	1-247-708-11	CARBON 470 5%	1/4W
Q1520	8-729-119-80	TRANSISTOR 2SC2688-LK		R562	1-247-704-11	CARBON 220 5%	1/4W
	4-377-115-01	SPACER, MICA; Q1520		R563	1-247-704-11	CARBON 220 5%	1/4W
	*4-381-170-01	HOLDER, TR; Q1520		R564	1-247-711-11	CARBON 680 5%	1/4W
Q1521	8-729-900-36	TRANSISTOR DTC124ES		R581	1-249-427-11	CARBON 6.8K 5%	1/4W
Q1522	8-729-900-36	TRANSISTOR DTC124ES		R582	1-249-441-11	CARBON 100K 5%	1/4W
Q1523	8-729-900-36	TRANSISTOR DTC124ES		R593	1-215-926-00	METAL OXIDE 33K 5%	3W F
Q1524	8-729-900-36	TRANSISTOR DTC124ES		R593A	1-215-926-00	METAL OXIDE 33K 5%	3W F
Q1525	8-729-900-36	TRANSISTOR DTC124ES		R594	1-249-460-11	CARBON 15K 5%	1/4W
Q1526	8-729-900-36	TRANSISTOR DTC124ES		R595	1-249-431-11	CARBON 15K 5%	1/4W
				R596	1-247-146-00	CARBON 4.3K 5%	1/4W
				R597	1-249-461-11	CARBON 18K 5%	1/4W
				R598	1-214-750-00	METAL 7.5K 1%	1/4W
				R599	1-214-741-00	METAL 3.3K 1%	1/4W

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

PVM-2730QM  
RM-668

D

REF.NO.	PART NO.	DESCRIPTION	REMARK
C1526	1-102-157-00	CERAMIC 560PF 10% 500V	
C1527	1-102-038-00	CERAMIC 0.001MF 500V	
C1528	1-108-698-11	MYLAR 0.033MF 10% 200V	
C1529	1-102-820-00	CERAMIC 330PF 5% 50V	
C1530	1-123-361-00	ELECT 220MF 20% 50V	
C1531	1-125-494-11	ELECT (BLOCK) 560MF 20% 160V	
C1532	1-124-006-11	ELECT 10MF 20% 25V	
C1533 $\Delta$	1-162-115-51	CERAMIC 330PF 10% 2KV	
C1534 $\Delta$	1-136-330-11	FILM 0.014MF 3% 1.6KV	
C1535	1-129-953-00	FILM 0.068MF 20% 1.5KV	
C1536	1-123-333-00	ELECT 100MF 20% 16V	
C1537	1-123-333-00	ELECT 100MF 20% 16V	
C1539 $\Delta$	1-162-116-11	CERAMIC 680PF 10% 2KV	
C1540	1-162-115-00	CERAMIC 330PF 10% 2KV	
C1541	1-106-375-12	MYLAR 0.022MF 10% 100V	
C1542	1-136-541-11	FILM 1.5MF 5% 200V	
C1543	1-102-820-00	CERAMIC 330PF 5% 50V	
C1544	1-136-127-00	FILM 1MF 5% 400V	
C1549	1-108-626-11	MYLAR 0.01MF 10% 100V	
C1550	1-102-973-00	CERAMIC 100PF 5% 50V	
C1551	1-102-030-00	CERAMIC 330PF 10% 500V	
C1552	1-108-626-11	MYLAR 0.01MF 10% 100V	
C1553	1-123-379-00	ELECT 0.47MF 20% 50V	
C1554	1-108-626-11	MYLAR 0.01MF 10% 100V	
C1555	1-102-110-00	CERAMIC 220PF 10% 50V	
C1556	1-123-333-00	ELECT 100MF 20% 25V	
C1557	1-108-622-11	MYLAR 0.0047MF 10% 100V	
C1558	1-123-330-00	ELECT 22MF 20% 16V	
C1559	1-123-379-00	ELECT 0.47MF 20% 50V	
C1560	1-123-379-00	ELECT 0.47MF 20% 50V	
C1565	1-108-638-11	MYLAR 0.1MF 10% 100V	
C1566 $\Delta$	1-162-115-51	CERAMIC 330PF 10% 2KV	
C1567 $\Delta$	1-162-115-51	CERAMIC 330PF 10% 2KV	
C1568 $\Delta$	1-130-706-11	FILM 0.008MF 3% 1.6KV	
C1569 $\Delta$	1-129-747-11	FILM 0.047MF 10% 400V	
C1570	1-129-751-00	FILM 0.1MF 20% 400V	
C1571	1-102-030-00	CERAMIC 330PF 10% 500V	
C1572	1-123-321-00	ELECT 220MF 20% 16V	
C1576	1-123-332-00	ELECT 47MF 20% 25V	
C1577	1-124-963-11	ELECT 33MF 20% 16V	
C1578	1-106-375-12	MYLAR 0.022MF 10% 100V	
C1579	1-108-638-11	MYLAR 0.1MF 10% 100V	
C1585	1-123-357-00	ELECT 22MF 20% 50V	
C1586	1-108-621-11	MYLAR 0.0039MF 10% 100V	
C1587	1-131-351-00	TANTALUM 4.7MF 10% 35V	
C1591	1-124-768-11	ELECT 4.7MF 20% 50V	
C1592	1-108-692-11	MYLAR 0.01MF 10% 200V	
C1593	1-136-171-00	FILM 0.33MF 5% 50V	
C1595	1-123-381-00	ELECT 2.2MF 20% 50V	
C1596	1-123-369-00	ELECT 4.7MF 20% 50V	
C1597	1-136-175-00	FILM 0.68MF 5% 50V	
C1598	1-102-816-00	CERAMIC 120PF 5% 50V	
C1599	1-108-626-11	MYLAR 0.01MF 10% 100V	
C1601	1-108-626-11	MYLAR 0.01MF 10% 100V	
C1602	1-108-626-11	MYLAR 0.01MF 10% 100V	
C1603	1-108-626-11	MYLAR 0.01MF 10% 100V	
C1604	1-108-626-11	MYLAR 0.01MF 10% 100V	
C1605	1-123-381-00	ELECT 2.2MF 20% 50V	
C1606	1-124-360-00	ELECT 1000MF 20% 16V	
C1607	1-136-162-00	FILM 0.056MF 5% 50V	

<CONNECTOR>

D1 \*1-508-766-00 PIN, CONNECTOR (5MM PITCH) 4P

REF.NO.	PART NO.	DESCRIPTION	REMARK
D2	*1-566-055-11	PIN, CONNECTOR 3P	
D3	*1-566-054-11	PIN, CONNECTOR 2P	
D4	*1-508-767-00	PIN, CONNECTOR (5MM PITCH) 5P	
D5	*1-506-348-99	PIN, CONNECTOR 4P	
D6	*1-508-767-00	PIN, CONNECTOR (5MM PITCH) 5P	
D7	*1-566-056-11	PIN, CONNECTOR 4P	
D8	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
D9	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
D10	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P	
D11	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P	
D12	*1-566-055-11	PIN, CONNECTOR 3P	
D15	*1-566-058-11	PIN, CONNECTOR 6P	
D27	*1-566-058-11	PIN, CONNECTOR 6P	
D28	*1-566-057-11	PIN, CONNECTOR 5P	
D29	*1-566-054-11	PIN, CONNECTOR 2P	
<DIODE>			
D501	8-719-911-19	DIODE 1SS119	
D502	8-719-200-02	DIODE 10B-2	
D503	8-719-300-76	DIODE RH-1A	
D504	8-719-300-76	DIODE RH-1A	
D506	8-719-200-02	DIODE 10B-2	
D508	8-719-110-36	DIODE RD13ES-B2	
D510	8-719-109-88	DIODE RD5.6ES-B1	
D511	8-719-911-19	DIODE 1SS119	
D513	8-719-110-41	DIODE RD15ES-B2	
D520	8-719-190-00	DIODE RD24E-BZ7	
D521	8-719-911-19	DIODE 1SS119	
D522	8-719-101-61	DIODE RD6.2B-L2	
D1502	8-719-911-19	DIODE 1SS119	
D1503	8-719-110-41	DIODE RD15ES-B2	
D1508	8-719-911-19	DIODE 1SS119	
D1509	8-719-200-02	DIODE 10B-2	
D1510	8-719-300-76	DIODE RH-1A	
D1511	8-719-300-76	DIODE RH-1A	
D1512	8-719-300-76	DIODE RH-1A	
D1513	8-719-901-19	DIODE VI1N	
D1515	8-719-200-02	DIODE 10B-2	
D1516	8-719-903-09	DIODE V30N	
D1517 $\Delta$	8-719-906-15	DIODE ERC26-155	
D1517 $\Delta$	8-719-906-15	DIODE ERC26-155	
D1518 $\Delta$	8-719-302-98	DIODE RG4C	
D1518 $\Delta$	8-719-302-98	DIODE RG4C	
D1525	8-719-911-19	DIODE 1SS119	
D1527	8-719-300-76	DIODE RH-1A	
D1528	8-719-945-81	DIODE ERC26-155A	
D1529	8-719-300-76	DIODE RH-1A	
D1530	8-719-300-76	DIODE RH-1A	
D1531	8-719-300-38	DIODE GU-3A	
D1535	8-719-110-60	DIODE RD24ES-B	
D1536	8-719-109-81	DIODE RD4.7ES-B2	
D1537	8-719-109-93	DIODE RD6.2ES-B2	
D1538	8-719-911-19	DIODE 1SS119	
D1540	8-719-109-89	DIODE RD5.6ES-B2	
D1541	8-719-300-76	DIODE RH-1A	

<IC>

IC501 8-759-982-26 IC RC78L12A  
IC503 8-759-982-26 IC RC78L12A  
IC1501 8-759-100-60 IC UPC1377C  
IC1502 8-759-981-95 IC RC4558S  
IC1503 8-759-981-95 IC RC4558S





REF.NO. PART NO. DESCRIPTION

\*1-621-541-11 HD BOARD  
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<SWITCH>

S996 1-570-145-11 SWITCH, SLIDE  
S997 1-570-145-11 SWITCH, SLIDE

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\*1-633-571-11 U BOARD  
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<CAPACITOR>

C1842	1-101-888-00	CERAMIC	68PF	5%	50V
C1843	1-102-816-00	CERAMIC	120PF	5%	50V
C1844	1-124-631-11	ELECT	47MF	20%	16V
C1845	1-124-477-11	ELECT	47MF	20%	16V
C1846	1-101-004-00	CERAMIC	0.01MF		50V

C1847	1-124-477-11	ELECT	47MF	20%	16V
C1848	1-101-004-00	CERAMIC	0.01MF		50V

<DIODE>

D1793 8-719-109-85 DIODE RD5.1ES-B2

<IC>

IC1779 8-759-240-82 IC TC4082BP

<COIL>

L1771	1-408-406-00	INDUCTOR	5.6UH		
L1772	1-408-409-00	INDUCTOR	10UH		

<TRANSISTOR>

Q1897	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q1898	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q1899	8-729-900-36	TRANSISTOR DTC124ES			

<RESISTOR>

R2812	1-249-406-11	CARBON	120	5%	1/4W
R2813	1-249-411-11	CARBON	330	5%	1/4W
R2814	1-249-418-11	CARBON	1.2K	5%	1/4W
R2815	1-249-417-11	CARBON	1K	5%	1/4W
R2816	1-249-430-11	CARBON	12K	5%	1/4W

R2817	1-249-419-11	CARBON	1.5K	5%	1/4W
R2818	1-249-430-11	CARBON	12K	5%	1/4W
R2819	1-249-433-11	CARBON	22K	5%	1/4W
R2820	1-249-431-11	CARBON	15K	5%	1/4W
R2821	1-249-421-11	CARBON	2.2K	5%	1/4W

R2822	1-249-433-11	CARBON	22K	5%	1/4W
R2823	1-249-431-11	CARBON	15K	5%	1/4W
R2824	1-249-441-11	CARBON	100K	5%	1/4W
R2825	1-249-419-11	CARBON	1.5K	5%	1/4W
R2826	1-249-411-11	CARBON	330	5%	1/4W

<CONNECTOR>

U1	*1-566-055-11	PIN, CONNECTOR 3P			
U2	*1-566-055-11	PIN, CONNECTOR 3P			
U3	*1-566-054-11	PIN, CONNECTOR 2P			

REMARK

REF.NO. PART NO.

DESCRIPTION

REMARK

U4 \*1-566-057-11 PIN, CONNECTOR 5P

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\*A-1375-066-A HC BOARD, COMPLETE  
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<CAPACITOR>

C982	1-130-729-00	FILM	0.0027MF	5%	50V
C983	1-130-734-00	FILM	0.0068MF	5%	50V
C984	1-130-483-00	MYLAR	0.01MF	5%	50V
C985	1-126-157-11	ELECT	10MF	20%	16V
C986	1-123-356-00	ELECT	10MF	20%	25V

<DIODE>

D971 8-719-109-85 DIODE RD5.1ES-B2

<CONNECTOR>

HC1	*1-566-057-11	PIN, CONNECTOR 5P			
HC2	*1-566-056-11	PIN, CONNECTOR 4P			
HC3	*1-566-054-11	PIN, CONNECTOR 2P			
HC4	*1-566-054-11	PIN, CONNECTOR 2P			

<IC>

IC985 8-759-933-23 IC BA236

<RESISTOR>

R982	1-249-429-11	CARBON	10K	5%	1/4W
R983	1-249-417-11	CARBON	1K	5%	1/4W
R984	1-249-429-11	CARBON	10K	5%	1/4W
R985	1-249-417-11	CARBON	1K	5%	1/4W
R986	1-249-429-11	CARBON	10K	5%	1/4W

R988	1-249-405-11	CARBON	100	5%	1/4W
R989	1-249-417-11	CARBON	1K	5%	1/4W
R990	1-249-432-11	CARBON	18K	5%	1/4W
R991	1-249-408-11	CARBON	180	5%	1/4W
R992	1-249-427-11	CARBON	6.8K	5%	1/4W

R993	1-249-418-11	CARBON	1.2K	5%	1/4W
R994	1-249-420-11	CARBON	1.8K	5%	1/4W

<VARIABLE RESISTOR>

RV982	1-237-349-11	RES, VAR, CARBON 10K			
RV983	1-237-712-11	RES, VAR, CARBON 10K			
RV984	1-237-712-11	RES, VAR, CARBON 10K			
RV985	1-237-350-11	RES, VAR, CARBON 20K			
RV986	1-228-995-00	RES, ADJ, CARBON 22K			

RV987	1-237-348-11	RES, VAR, CARBON 5K			
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\*A-1380-192-A K BOARD, COMPLETE  
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4-309-378-00 WASHER

<CAPACITOR>

C201	1-123-379-00	ELECT	0.47MF	20%	50V
C202	1-123-379-00	ELECT	0.47MF	20%	50V
C203	1-124-477-11	ELECT	47MF	20%	16V

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

PVM-2730QM  
RM-668

D

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1501	1-249-411-11	CARBON	330 5% 1/4W	R1577	1-249-425-11	CARBON	4.7K 5% 1/4W
R1502	1-247-723-11	CARBON	6.8K 5% 1/4W	R1578	1-202-723-00	SOLID	2.2M 10% 1/2W
R1503	1-249-405-11	CARBON	100 5% 1/4W	R1579	1-247-718-11	CARBON	2.7K 5% 1/4W
R1504	1-249-435-11	CARBON	33K 5% 1/4W	R1580	1-249-439-11	CARBON	68K 5% 1/4W
R1505	1-249-436-11	CARBON	39K 5% 1/4W	R1581	1-249-441-11	CARBON	100K 5% 1/4W
R1506	1-247-894-11	CARBON	430K 5% 1/4W	R1582	1-249-429-11	CARBON	10K 5% 1/4W
R1507	1-249-462-11	CARBON	22K 5% 1/4W	R1583	1-249-427-11	CARBON	6.8K 5% 1/4W
R1508	1-249-429-11	CARBON	10K 5% 1/4W	R1584	1-249-421-11	CARBON	2.2K 5% 1/4W
R1509	1-249-405-11	CARBON	100 5% 1/4W	R1585	1-247-713-11	CARBON	1K 5% 1/4W
R1510	1-249-433-11	CARBON	22K 5% 1/4W	R1588	1-215-871-11	METAL OXIDE	2.2K 5% 1W F
R1511	1-247-881-00	CARBON	120K 5% 1/4W	R1589	1-247-726-11	CARBON	33K 5% 1/4W
R1512	1-249-440-11	CARBON	82K 5% 1/4W	R1590	1-247-726-11	CARBON	33K 5% 1/4W
R1513	1-249-425-11	CARBON	4.7K 5% 1/4W	R1592	1-214-779-00	METAL	120K 1% 1/4W
R1514	1-247-868-11	CARBON	36K 5% 1/4W	R1593	1-214-781-00	METAL	150K 1% 1/4W
R1516	1-249-430-11	CARBON	12K 5% 1/4W	R1594	1-247-722-11	CARBON	5.6K 5% 1/4W
R1518	1-249-429-11	CARBON	10K 5% 1/4W	R1595	1-214-777-00	METAL	100K 1% 1/4W
R1520	1-249-435-11	CARBON	33K 5% 1/4W	R1597	1-214-752-00	METAL	9.1K 1% 1/4W
R1521	1-247-701-11	CARBON	120 5% 1/4W	R1598	1-214-749-00	METAL	6.8K 1% 1/4W
R1525	1-247-723-11	CARBON	6.8K 5% 1/4W	R1599	1-247-883-00	CARBON	150K 5% 1/4W
R1530	1-247-700-11	CARBON	100 5% 1/4W	R1600	1-249-405-11	CARBON	100 5% 1/4W
R1531	1-247-713-11	CARBON	1K 5% 1/4W F	R1601	1-246-531-00	CARBON	270K 5% 1/4W
R1532	1-215-922-11	METAL OXIDE	6.8K 5% 3W F	R1602	1-247-887-00	CARBON	220K 5% 1/4W
R1532A	1-215-922-11	METAL OXIDE	6.8K 5% 3W F	R1603	1-247-725-11	CARBON	10K 5% 1/4W
R1533	1-247-721-11	CARBON	4.7K 5% 1/4W	R1604	1-247-725-11	CARBON	10K 5% 1/4W
R1534	1-215-918-00	METAL OXIDE	1.5K 5% 3W F	R1605	1-247-725-11	CARBON	10K 5% 1/4W
R1534A	1-216-482-11	METAL OXIDE	1.8K 5% 3W F	R1606	1-247-725-11	CARBON	10K 5% 1/4W
R1535	1-216-388-11	METAL OXIDE	0.82 5% 3W F	R1607	1-247-725-11	CARBON	10K 5% 1/4W
R1536	1-247-697-11	CARBON	56 5% 1/4W	R1608	1-249-469-11	CARBON	100K 5% 1/4W
R1537	1-249-385-11	CARBON	2.2 5% 1/4W F	R1609	1-249-433-11	CARBON	22K 5% 1/4W
R1538	1-249-385-11	CARBON	2.2 5% 1/4W F	R1610	1-247-725-11	CARBON	10K 5% 1/4W
R1539	1-216-434-11	METAL OXIDE	1.8K 5% 1W F	R1611	1-249-433-11	CARBON	22K 5% 1/4W
R1541	1-215-915-11	METAL OXIDE	470 5% 3W F	R1612	1-249-422-11	CARBON	2.7K 5% 1/4W
R1541A	1-216-479-11	METAL OXIDE	560 5% 3W F	R1613	1-249-451-11	CARBON	2.2 5% 1/4W F
R1542	1-215-880-00	METAL OXIDE	10 5% 2W F	R1614	1-247-700-11	CARBON	100 5% 1/4W
R1543	1-215-869-11	METAL OXIDE	1K 5% 1W F	R1617	1-249-469-11	CARBON	100K 5% 1/4W
R1544	1-216-448-11	METAL OXIDE	39 5% 2W F	<VARIABLE RESISTOR>			
R1545	1-247-693-11	CARBON	27 5% 1/4W	RV501	1-228-717-00	RES, ADJ, CERAMIC CARBON	220
R1546	1-216-371-00	METAL OXIDE	1.5 5% 2W F	RV503	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R1547	1-247-697-11	CARBON	56 5% 1/4W	RV1501	1-228-723-00	RES, ADJ, CERAMIC CARBON	4.7K
R1548	1-249-382-11	CARBON	1.2 5% 1/4W F	RV1503	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1549	1-249-382-11	CARBON	1.2 5% 1/4W F	RV1505	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1552	1-247-725-11	CARBON	10K 5% 1/4W	RV1506	1-228-727-00	RES, ADJ, CERAMIC CARBON	47K
R1553	1-249-425-11	CARBON	4.7K 5% 1/4W F	RV1510	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K
R1554	1-247-705-11	CARBON	270 5% 1/4W	RV1511	1-228-729-00	RES, ADJ, CERAMIC CARBON	220K
R1555	1-249-465-11	CARBON	47K 5% 1/4W	<SPARK GAP>			
R1556	1-249-425-11	CARBON	4.7K 5% 1/4W	SG1501	1-519-063-99	DISCHARGING GAP	
R1557	1-249-429-11	CARBON	10K 5% 1/4W	<TRANSFORMER>			
R1558	1-249-425-11	CARBON	4.7K 5% 1/4W	T1501 $\Delta$	1-437-089-11	TRANSFORMER, HORIZONTAL DRIVE	
R1559	1-249-417-11	CARBON	1K 5% 1/4W	T1502	1-437-089-00	TRANSFORMER, HORIZONTAL DRIVE	
R1560	1-247-862-11	CARBON	20K 5% 1/4W	T1503 $\Delta$	1-439-356-11	HOT	
R1561	1-214-746-00	METAL	5.1K 1% 1/4W	T1513 $\Delta$	1-421-388-11	LOT	
R1562	1-247-713-11	CARBON	1K 5% 1/4W	<THERMISTOR>			
R1563	1-249-422-11	CARBON	2.7K 5% 1/4W	TH501	1-800-070-99	THERMISTOR TH-4700	
R1564	1-249-405-11	CARBON	100 5% 1/4W F	*****			
R1565	1-249-462-11	CARBON	22K 5% 1/4W				
R1566	1-249-439-11	CARBON	68K 5% 1/4W				
R1567	1-249-435-11	CARBON	33K 5% 1/4W				
R1568	1-247-713-11	CARBON	1K 5% 1/4W				
R1571	1-249-382-11	CARBON	1.2 5% 1/4W F				
R1572	1-249-448-11	CARBON	1.2 5% 1/4W F				
R1573	1-249-382-11	CARBON	1.2 5% 1/4W F				
R1574	1-216-424-11	METAL OXIDE	39 5% 1W F				
R1575	1-249-382-11	CARBON	1.2 5% 1/4W F				
R1576	1-215-869-11	METAL OXIDE	1K 5% 1W F				

K HA

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C204	1-124-477-11	ELECT	47MF	20%	16V		
C205	1-130-496-00	MYLAR	0.12MF	5%	50V		
C206	1-102-125-00	CERAMIC	0.0047MF	10%	50V		
C207	1-102-125-00	CERAMIC	0.0047MF	10%	50V		
C208	1-130-496-00	MYLAR	0.12MF	5%	50V		
C209	1-123-369-00	ELECT	4.7MF	20%	25V		
C210	1-123-369-00	ELECT	4.7MF	20%	25V		
C211	1-123-369-00	ELECT	4.7MF	20%	25V		
C212	1-123-369-00	ELECT	4.7MF	20%	25V		
C213	1-124-120-11	ELECT	220MF	20%	16V		
C218	1-124-360-00	ELECT	1000MF	20%	16V		
C219	1-126-101-11	ELECT	100MF	20%	16V		
C220	1-123-379-00	ELECT	0.47MF	20%	50V		
C221	1-123-379-00	ELECT	0.47MF	20%	50V		
C222	1-162-283-31	CERAMIC	120PF	10%	50V		
C223	1-162-283-31	CERAMIC	120PF	10%	50V		
C224	1-124-963-11	ELECT	33MF	20%	16V		
C225	1-124-477-11	ELECT	47MF	20%	16V		
C227	1-108-816-11	MYLAR	0.1MF	5%	50V		
C228	1-123-379-00	ELECT	0.47MF	20%	50V		
C229	1-123-379-00	ELECT	0.47MF	20%	50V		
C230	1-162-283-31	CERAMIC	120PF	10%	50V		
C231	1-162-283-31	CERAMIC	120PF	10%	50V		
C232	1-124-963-11	ELECT	33MF	20%	16V		
C233	1-124-477-11	ELECT	47MF	20%	16V		
C235	1-108-816-11	MYLAR	0.1MF	5%	50V		
C236	1-124-471-00	ELECT	1000MF	20%	6.3V		
C237	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C238	1-102-074-00	CERAMIC	0.001MF	10%	50V		
C239	1-101-006-00	CERAMIC	0.047MF		50V		
C240	1-101-006-00	CERAMIC	0.047MF		50V		
C241	1-101-006-00	CERAMIC	0.047MF		50V		
C242	1-125-296-00	ELECT(BLOCK)	4700MF		35V		
C243	1-125-296-00	ELECT(BLOCK)	4700MF		35V		
C244	1-124-477-11	ELECT	47MF	20%	16V		
C246	1-123-356-00	ELECT	10MF	20%	16V		
C251	1-123-356-00	ELECT	10MF	20%	25V		
C252	1-123-875-11	ELECT	10MF	20%	50V		
C253	1-123-875-11	ELECT	10MF	20%	50V		
<DIODE>							
D201	8-719-109-93	DIODE RD6.2ES-B2					
D202	8-719-911-19	DIODE 1SS119					
D203	8-719-110-36	DIODE RD13ES-B2					
D204	8-719-110-36	DIODE RD13ES-B2					
<IC>							
IC201	8-759-276-30	IC TA7630P					
IC204	8-759-111-88	IC UPC1188H					
IC205	8-759-111-88	IC UPC1188H					
<CONNECTOR>							
K1	*1-566-057-11	PIN, CONNECTOR 5P					
K2	*1-508-767-00	PIN, CONNECTOR (5MM PITCH) 5P					
K3	*1-566-056-11	PIN, CONNECTOR 4P					
K4	*1-566-054-11	PIN, CONNECTOR 2P					
K5	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P					
K7	*1-566-054-11	PIN, CONNECTOR 2P					
<COIL>							
L201	1-408-424-00	INDUCTOR	180UH				
<TRANSISTOR>							
Q201	8-729-178-55	TRANSISTOR 2SC2785-E					
Q204	8-729-178-55	TRANSISTOR 2SC2785-E					
Q205	8-729-178-55	TRANSISTOR 2SC2785-E					
Q206	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q209	8-729-119-76	TRANSISTOR 2SA1175-HFE					
Q211	8-729-140-96	TRANSISTOR 2SD774-34					
<RESISTOR>							
R201	1-249-441-11	CARBON	100K	5%	1/4W		
R202	1-249-441-11	CARBON	100K	5%	1/4W		
R203	1-249-419-11	CARBON	1.5K	5%	1/4W		
R204	1-249-429-11	CARBON	10K	5%	1/4W		
R205	1-249-430-11	CARBON	12K	5%	1/4W		
R206	1-249-430-11	CARBON	12K	5%	1/4W		
R207	1-249-419-11	CARBON	1.5K	5%	1/4W		
R208	1-249-419-11	CARBON	1.5K	5%	1/4W		
R211	1-249-420-11	CARBON	1.8K	5%	1/4W		
R221	1-249-403-11	CARBON	68	5%	1/4W		
R222	1-249-429-11	CARBON	10K	5%	1/4W		
R223	1-249-432-11	CARBON	18K	5%	1/4W		
R224	1-249-437-11	CARBON	47K	5%	1/4W		
R225	1-249-409-11	CARBON	220	5%	1/4W		
R227	1-249-430-11	CARBON	12K	5%	1/4W		
R228	1-249-390-11	CARBON	5.6	5%	1/4W		
R229	1-249-429-11	CARBON	10K	5%	1/4W		
R230	1-249-432-11	CARBON	18K	5%	1/4W		
R231	1-249-437-11	CARBON	47K	5%	1/4W		
R232	1-249-409-11	CARBON	220	5%	1/4W		
R234	1-249-430-11	CARBON	12K	5%	1/4W		
R235	1-249-390-11	CARBON	5.6	5%	1/4W		
R236	1-249-429-11	CARBON	10K	5%	1/4W		
R237	1-249-429-11	CARBON	10K	5%	1/4W		
R238	1-249-423-11	CARBON	3.3K	5%	1/4W		
R239	1-249-437-11	CARBON	47K	5%	1/4W		
R240	1-249-430-11	CARBON	12K	5%	1/4W		
R241	1-249-441-11	CARBON	100K	5%	1/4W		
R242	1-249-429-11	CARBON	10K	5%	1/4W		
R243	1-249-417-11	CARBON	1K	5%	1/4W		
R244	1-249-417-11	CARBON	1K	5%	1/4W		
R245	1-249-417-11	CARBON	1K	5%	1/4W		
R246	1-249-417-11	CARBON	1K	5%	1/4W		
R252	1-249-419-11	CARBON	1.5K	5%	1/4W		
R257	1-249-423-11	CARBON	3.3K	5%	1/4W		
R280	1-249-449-11	CARBON	1.5	5%	1/4W		
*****							
				*9-992-247-01	HA BOARD (KEY BOARD UNIT A)		
				*****			
<DIODE>							
D905	8-719-911-19	DIODE 1SS119					
D906	8-719-911-19	DIODE 1SS119					
D907	8-719-911-19	DIODE 1SS119					
D908	8-719-911-19	DIODE 1SS119					
D909	8-719-911-19	DIODE 1SS119					
D910	8-719-911-19	DIODE 1SS119					
D911	9-990-893-01	LED TLY263P					

HA HB N

REF.NO. PART NO. DESCRIPTION

D912 9-990-893-01 LED TLY263P  
D913 9-990-893-01 LED TLY263P  
D914 9-990-893-01 LED TLY263P  
D915 9-990-893-01 LED TLY263P  
D916 9-990-893-01 LED TLY263P  
  
D917 9-990-893-01 LED TLY263P  
D918 9-990-893-01 LED TLY263P  
D919 9-990-893-01 LED TLY263P  
D920 9-990-893-01 LED TLY263P  
D921 9-990-893-01 LED TLY263P  
  
D922 9-990-893-01 LED TLY263P  
D923 9-990-893-01 LED TLY263P  
D924 9-990-893-01 LED TLY263P  
D925 9-990-893-01 LED TLY263P  
D926 9-990-893-01 LED TLY263P  
  
D927 9-990-893-01 LED TLY263P  
D928 9-990-893-01 LED TLY263P  
D929 9-990-893-01 LED TLY263P  
D930 9-990-893-01 LED TLY263P  
D931 9-990-893-01 LED TLY263P

<RESISTOR>

R905	1-247-700-11	CARBON	100	5%	1/4W
R906	1-247-704-11	CARBON	220	5%	1/4W
R907	1-247-700-11	CARBON	100	5%	1/4W
R908	1-247-704-11	CARBON	220	5%	1/4W
R909	1-247-700-11	CARBON	100	5%	1/4W
R910	1-247-704-11	CARBON	220	5%	1/4W
R911	1-247-700-11	CARBON	100	5%	1/4W
R912	1-247-704-11	CARBON	220	5%	1/4W
R913	1-247-700-11	CARBON	100	5%	1/4W
R914	1-247-704-11	CARBON	220	5%	1/4W
R915	1-247-700-11	CARBON	100	5%	1/4W
R916	1-247-704-11	CARBON	220	5%	1/4W
R917	1-247-704-11	CARBON	220	5%	1/4W
R918	1-247-704-11	CARBON	220	5%	1/4W
R919	1-247-704-11	CARBON	220	5%	1/4W

<SWITCH>

S905 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S906 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S907 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S908 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S909 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
  
S910 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S911 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S912 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S913 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S914 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
  
S915 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)

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\*9-992-243-01 HB BOARD (KEY BOARD UNIT B)  
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<DIODE>

D940 8-719-911-19 DIODE 1SS119  
D941 8-719-911-19 DIODE 1SS119  
D942 8-719-911-19 DIODE 1SS119  
D943 8-719-911-19 DIODE 1SS119  
D944 8-719-911-19 DIODE 1SS119

REMARK

REF.NO. PART NO. DESCRIPTION

D945 8-719-911-19 DIODE 1SS119  
D946 8-719-911-19 DIODE 1SS119  
D947 8-719-911-19 DIODE 1SS119  
D948 9-990-901-01 LED TLS263P  
D949 9-990-901-01 LED TLS263P  
  
D950 9-990-893-01 LED TLY263P  
D951 9-990-893-01 LED TLY263P  
D952 9-990-893-01 LED TLY263P  
D953 9-990-893-01 LED TLY263P  
D954 9-990-893-01 LED TLY263P  
  
D955 9-990-893-01 LED TLY263P  
D956 9-990-893-01 LED TLY263P  
D957 9-990-893-01 LED TLY263P  
D958 9-990-893-01 LED TLY263P  
D959 9-990-893-01 LED TLY263P  
  
D960 9-990-893-01 LED TLY263P  
D961 9-990-893-01 LED TLY263P  
D962 9-990-893-01 LED TLY263P  
D963 9-990-893-01 LED TLY263P  
D964 9-990-893-01 LED TLY263P  
  
D965 9-990-893-01 LED TLY263P  
D968 9-990-901-01 LED TLS263P

<RESISTOR>

R940	1-247-703-11	CARBON	180	5%	1/4W
R941	1-247-700-11	CARBON	100	5%	1/4W
R942	1-247-704-11	CARBON	220	5%	1/4W
R943	1-247-700-11	CARBON	100	5%	1/4W
R944	1-247-704-11	CARBON	220	5%	1/4W
R945	1-247-700-11	CARBON	100	5%	1/4W
R946	1-247-700-11	CARBON	100	5%	1/4W
R947	1-247-700-11	CARBON	100	5%	1/4W
R948	1-247-700-11	CARBON	100	5%	1/4W
R949	1-247-700-11	CARBON	100	5%	1/4W
R950	1-247-700-11	CARBON	100	5%	1/4W
R951	1-247-700-11	CARBON	100	5%	1/4W

<SWITCH>

S940 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S941 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S942 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S943 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S944 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
  
S945 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S946 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S947 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S948 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)  
S949 1-553-766-00 MT SWITCH (KEY BOARD SWITCH)

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\*9-990-898-01 N BOARD (KEY BOARD UNIT B)  
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<IC>

IC935 8-741-138-70 IC BX-1387 (DETECTOR)

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The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK
		MISCELLANEOUS *****	
	$\Delta$ 1-230-712-22	RESISTOR ASSY, HIGH-VOLTAGE	
	$\Delta$ 1-426-278-22	COIL, DEMAGNETIZATION	
	$\Delta$ 1-451-255-23	DEFLECTION YORE (Y27FXA)	
	1-452-032-00	MAGNET, DISK; 10MM $\phi$	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM $\phi$	
	1-452-146-21	MAGNET, BMC	
	$\Delta$ 1-452-351-22	NECK ASSY, PICTURE TUBE (NA302)	
	1-464-792-11	KEY BOARD UNIT (A)	
	1-464-793-11	KEY BOARD UNIT (B)	
	$\Delta$ 1-534-820-13	POWER CORD (AEP, AUS ONLY)	
	1-559-409-11	CORD POWER (WG ONLY)	
	*1-941-403-25	CONNECTOR ASSY, MICRO 13P	
	*1-941-403-26	CONNECTOR ASSY, MICRO 9P	
	*1-941-403-27	CONNECTOR ASSY, MICRO 7P	
S1901	$\Delta$ 1-554-966-12	SWITCH, PUSH (AC POWER) (1 KEY)	
T1691	$\Delta$ 1-439-339-14	TRANSFORMER ASSY, FLYBACK	
V901	$\Delta$ 8-736-652-05	PICTURE TUBE (A64JKJ10X) (AEP, WG ONLY)	
	$\Delta$ 8-736-654-05	PICTURE TUBE (A64JKJ10X) (AUS ONLY)	

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ACCESSORIES AND PACKING MATERIALS  
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PART NO.	DESCRIPTION	REMARK
A-1470-789-A	COMMANDER ASSY (RM-668)	
*4-371-192-01	CUSHION (FRONT)	
*4-382-051-01	CUSHION (LOWER) (ASSY)	
*4-382-053-01	CUSHION (UPPER) (ASSY)	
4-482-400-11	MANUAL, INSTRUCTION	
*4-384-027-01	BAG, PROTECTION	
*4-385-601-01	INDIVIDUAL CARTON	